

Service Service Service

37TA1800/93
42TA1800/93
37TA2000/93
42TA2000/93



Service Manual

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1. Technical Specifications and Connections

Index of this chapter:

- 1.1 Technical Specifications
- 1.2 Connections

Notes:

- Some models in this chassis range have a different mechanical construction. The information given here is therefore model specific. At the moment of writing, not all information was available (only the 37-inch TPT1.0A LA model was available). As soon as the other models are introduced, an update manual will be released.
- Figures below can deviate slightly from the actual situation, due to the different set executions.
- Specifications are indicative (subject to change).

1.1 Technical Specifications

1.1.1 Vision

Panel Model	: CLAA370WA03 (Supplier CPT)(37") T420XW01 (Supplier AUO)(42")
Display type	: LCD
Display area(mm)	: 819.6(H) X 460.8(V) (37") 930.25(H) x 523.01(V) (42")
Number of Pixels	: 1366(H) x 768(V)
Contrast ratio	: Typical 1200:1
Light output (cd/m2)	: >400
Response time (ms)	: Trg:8, Tfg:8 (Gray to Gray)
Viewing angle (HxV degrees):	: 170/170 (L/R,U/D) (CR >10)(37") 178/178 (L/R,U/D) (CR >10)(42")
Pitch (mm)	: 0.6(H) X 0.6(V)(37") 0.68(H) X 0.68(V)(42")
Color pixel arrangement	: RGB vertical stripe
Display operating mode	: Normally black
Color depth	: 16.7M colors (8 bits)
Brightness (cd/m^2)	: 500(Center 1 points, Typ.)
Surface treatment	: Hard coating(3H),
Electrical interface	: LVDS
Outline Dimension(mm):	: 877(H)X516.8(V)X55.5(D)(Typ.)(37") 983.0(H) x 576.0(V) x 54.2(D)(42")
Module weight (g)	: 12,000(Typ.)
Backlight	: 8 CCFL(37") 16 CCFL(42")
Horizontal scan	: 30 ~ 63KHz
Vertical scan	: 50 ~ 75 Hz

1.1.2 Sound

Sound systems	: Stereo
Maximum power	: 2 x 10W(37")

1.1.3 Miscellaneous

Power supply:	
AC-input	: 90V ~ 264VAC, 50/60±2Hz
Power consumption	: 170W/Max(at PC mode), 170W/ Max(at TV mode) with Audio(37") 250W/Max(at PC mode), 250W/ Max(at TV mode) with Audio(42")
Auto power saving	: < 2W
Power cord length	: 1.8M
Power cord type	: European type and China type
Power indicator	: LED (On: Blue ,Sleeping mode: Amber)

Operating:	
Temperature	: 0°C to 40°C
Humidity	: 10 to 90%(non condensing)
Altitude	: 0 to 1,2000 feet
Air pressure	: 645 mBAR
(guaranteed optical performance)	: 5 to 35°C
(guaranteed functional performance)	: 5 to 40°C

Storage	
Temperature	: -20 to 50°C
Humidity	: 10 to 90% (non condensing)
Air pressure	: 600 to 1100 mBAR (non operating)
Note:	recommend at 0 to 35°C, Humidity less than 60 %

Shipping	
Temperature	: -20 to 60°C
Humidity	: 5 to 90% (non condensing)
Altitude	: 0 to 40000 feet (non operating)
Air pressure	: 188 to 1100 (non operating)

1.2 Connections

1.2.1 Signal Connector(China model)

- 1). Tuner: PAL D/K for China model
Multi-standard for WE model
- 2) SPDIF OUT : Digital audio output (HDMI audio output)
- 3). PVR OUT : Composite video output (CVBS) and audio R/L(RCA jack)
- 4). AV audio IN : AV1 and S-Video audio R/L(RCA jack)
- 5). AV1 IN : Composite video input (AV1)
- 6). S-Video 1 IN : S-video input (S-Video 1)
- 7). Comp video 1 IN : HDTV input with YPbPr format with audio R/L.
- 8). Comp video 2 IN : HDTV input with YPbPr format with audio R/L.
- 9). PC audio IN: audio R/L(mini-jack).
- 10). PC IN: VGA input (D-SUB connectors)
- 11). HDMI : digital video and audio input
- 12). speaker output : external speakers output connectors
- 13). earphone : earphone jack
- 14). AV2 IN : Composite video input (AV2 side)
- 15). AV audio IN : AV2 and S-Video side audio R/L(RCA jack)
- 16). S-Video IN : S-video input (S-Video side)

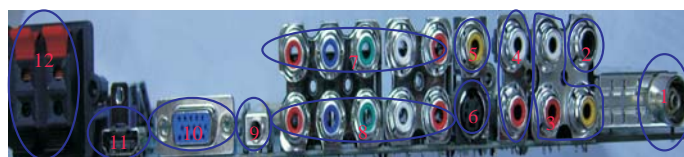


Fig1-1

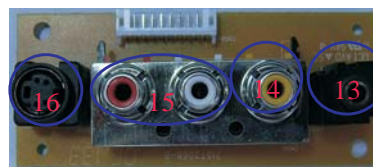


Fig1-2

1.2.2 Input signal

1.2.2.1 Signal type

1.2.2.1.1 PC mode signal type:

- a. Analog Video: 15 pin D-sub ,0.7 Vp-p linear, positive polarity&separate sync.(TTL level, positive or negative polarity)
- b. Audio signal : 3.5mm stereo mini-jack
Level: Nominal : 0.5 V rms.
- Maximum : 1.5 V rms.
- Impedance > 10 kΩ.

c. Signal source: Pattern generator format as attachment table 1 to 12.

Reference generator: CHROMA 2200 or QuantumData 802R

1.2.2.1.2 TV mode signal type

RF Signal : Aerial input / 10mV(30-100dBuV)

Video signal : CVBS input (RCA jack) / 1Vpp (300mV-sync, 700mV-video.)

S video input / 1VppY-signal, +/-300mV C-signal

SCART input: CVBS, S, SRGB signal (for WE model only)

Comp video in(YpbPr input)/ 1Vpp Y signal, +/-350mV Pb,Pr signal

HDMI: Digital interface with 4 channels TMDS signal

CVBS output (RCA jack) / 1Vpp (300mV-sync, 700mV-video.)

Audio signal : Audio (1) R/L for AV IN(AV and S-Video).

Level: - Nominal : 0.5 V rms.

- Maximum : 1.5 V rms.

- Impedance > 10 k Ω .

Audio (2) R/L for SCART IN

Level: - Nominal : 0.5 V rms.

- Maximum : 1.5 V rms.

- Impedance > 10 k Ω .

Audio (3) R/L for Comp video IN.

Level: - Nominal : 0.5 V rms.

-Maximum : 1.5 V rms.

- Impedance > 10 k Ω .

Audio (4) digital audio for HDMI Video IN.

1.2.2.1.3 PVR (CVBS) output:

Video: CVBS output 1Vpp / Impedance : 75 Ω .

Audio: R/L output (from CVBS)

Level: - Nominal : 0.5 V rms.

- Maximum : 1.5 V rms.

- Impedance < 1 k Ω .

1.2.2.1.4 Scart output: (for WE model only)

Video: CVBS output 1Vpp / Impedance : 75 Ω .

Audio: R/L output (from CVBS)

Level: - Nominal : 0.5 V rms.

- Maximum : 1.5 V rms.

- Impedance < 1 k Ω .

1.2.2.1.5 SPDIF output: Serial digital audio output when input is HDMI.

1.2.2.1.6 Headphone

Audio: R/L output -10mW at 32 Ω .

3.5mm stereo jack with switch

Impedance is between 8 and 600 Ω .

1.2.2.2 TV system signal mode:

RF support:

China : PAL(D,K)

WE : PAL and SECAM(France).

CVBS/S-video: Support PAL, NTSC and SECAM colour system.

Comp video IN(YpbPr) : SDTV and HDTV, including 480i/p, 576i/p, 720p 50/60Hz, 1080i 50/60Hz.

HDMI IN : 480P, 576P, 720P/50Hz, 720P/60Hz, 1080i/50Hz, 1080i/60Hz

PVR (CVBS out) : Support PAL, NTSC and SECAM colour system.

1.2.2.3 Signal cable

1.2.2.3.1 VGA signal cable

The input signals are applied to display through D-sub cable.

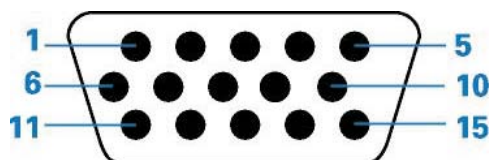
Length: 1.8 M +/- 50 mm (fixed)

Connector type: D-sub male.

With DDC 2B pin assignments.

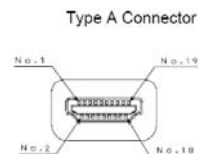
Blue connector thumb-operated jackscrews

15-pin D-sub VGA connector of the signal cable:



1	Red video input
2	Green video input /SOG
3	Blue video input
4	GND
5	GND- cable detect
6	Red video ground
7	Green video ground
8	Blue video ground
9	DDC +3.3V (or 5V)
10	Logic ground
11	GND
12	Serial data line (SDA)
13	H. Sync / H+V
14	V. Sync
15	Data clock line (SCL)

1.2.2.3.2 HDMI for digital Video / Audio interface with pin assignment as follows:



Pin No.	Description
1	RX2+
2	GND
3	RX2-
4	RX1+
5	GND
6	RX1-
7	RX0+
8	GND
9	RX0-
10	RXC+
11	GND
12	RXC-
13	CEC
14	NC
15	DDC clock
16	DDC data
17	GND
18	+5V POWER
19	Hot Plug Detect

1.2.2.3.3 CVBS

The input signals are applied to display through CVBS cable
Pin assignment

PIN NO.	SIGNAL
1	GND
2	CVBS
3	CVBS
4	CVBS

1.2.2.3.4 S-Video

The input signals are applied to display through S-Video cable
Pin assignment

PIN NO.	SIGNAL
1	GND
2	GND
3	GND
4	GND
5	GND
6	LUMA
8	CHROMA

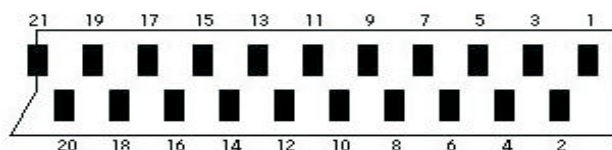
1.2.2.3.5 Component Video

The input signals are applied to display through Component Video RCA Jack pin assignment

PIN NO.	SIGNAL
1	GND
2	Red → Pr
3	GND
4	Blue → Pb
5	GND
6	Green → Y

1.2.2.3.6 SCART

Scart connector is only used in WE model. The Scart (Syndicat des Constructeurs d'Appareils Radiorécepteurs et Téléviseurs) connector is used for combined audio and video connections.



Pin	TV SCART
1	N/C
2	Right audio input
3	N/C
4	Audio ground
5	Blue ground
6	Left audio input
7	Blue output
8	0-2.5 volts (low) when: TV output 4.5-7.5 volts (High-to-6v) when: -inputting picture format setting is '16:9', 9-12 volts (high-to-12v) when: -inputting picture format setting is '4:3'
9	Green ground
10	N/C
11	Green output
12	N/C
13	Red ground
14	N/C
15	Red output
16	0 volt (low) when:- pin 8 of the TV scart is low or when: - Composite video signal 1-3 volts (high) when: - video input setting is 'RGB',
17	Composite video output ground
18	Composite video input ground
19	N/C
20	Composite video input
21	Ground

2. Safety Instructions, Warnings and Notes

index of this chapter:
 2.1 Safety Instructions
 2.2 Warnings
 2.3 Notes

2.1 Safety Instructions

Safety regulations require that during a repair:

- Connect the set to the AC Power via an isolation transformer (> 800 VA).
- Replace safety components, indicated by the symbol ▲, only by components identical to the original ones. Any other component substitution (other than original type) may increase risk of fire or electrical shock hazard.

Safety regulations require that after a repair, the set must be returned in its original condition. Pay in particular attention to the following points:

- Route the wire trees correctly and fix them with the mounted cable clamps.
- Check the insulation of the AC Power lead for external damage.
- Check the strain relief of the AC Power cord for proper function.
- Check the electrical DC resistance between the AC Power plug and the secondary side (only for sets which have a AC Power isolated power supply):
 1. Unplug the AC Power cord and connect a wire between the two pins of the AC Power plug.
 2. Set the AC Power switch to the "on" position (keep the AC Power cord unplugged!).
 3. Measure the resistance value between the pins of the AC Power plug and the metal shielding of the tuner or the aerial connection on the set. The reading should be between 4.5 Mohm and 12 Mohm.
 4. Switch "off" the set, and remove the wire between the two pins of the AC Power plug.
- Check the cabinet for defects, to avoid touching of any inner parts by the customer.

2.2 Warnings

- All ICs and many other semiconductors are susceptible to electrostatic discharges (ESD▲). Careless handling during repair can reduce life drastically. Make sure that, during repair, you are connected with the same potential as the mass of the set by a wristband with resistance. Keep components and tools also at this same potential.
- Be careful during measurements in the high voltage section.
- Never replace modules or other components while the unit is switched "on".
- When you align the set, use plastic rather than metal tools. This will prevent any short circuits and the danger of a circuit becoming unstable.

2.3 Notes

2.3.1 General

- Measure the voltages and waveforms with regard to the chassis (= tuner) ground (⊥), or hot ground (⬇), depending on the tested area of circuitry. The voltages and waveforms shown in the diagrams are indicative. Measure them in the Service Default Mode (see chapter 5) with a color bar signal and stereo sound (L: 3 kHz, R: 1 kHz unless stated otherwise) and picture carrier at 475.25 MHz for PAL, or 61.25 MHz for NTSC (channel 3).
- Where necessary, measure the waveforms and voltages with (⌚) and without (⌚) aerial signal. Measure the voltages in the power supply section both in normal operation (⌚) and in stand-by (⌚). These values are indicated by means of the appropriate symbols.
- The semiconductors indicated in the circuit diagram and in

the parts lists, are interchangeable per position with the semiconductors in the unit, irrespective of the type indication on these semiconductors.

- Manufactured under license from Dolby Laboratories. "Dolby" and the "double-D symbol", are trademarks of Dolby Laboratories.

2.3.2 Schematic Notes

- All resistor values are in ohms and the value multiplier is often used to indicate the decimal point location (e.g. 2K2 indicates 2.2 kohm).
- Resistor values with no multiplier may be indicated with either an "E" or an "R" (e.g. 220E or 220R indicates 220 ohm).
- All capacitor values are given in micro-farads ($\mu = \times 10^{-6}$), nano-farads ($n = \times 10^{-9}$), or pico-farads ($p = \times 10^{-12}$).
- Capacitor values may also use the value multiplier as the decimal point indication (e.g. 2p2 indicates 2.2 pF).
- An "asterisk" (*) indicates component usage varies. Refer to the diversity tables for the correct values.
- The correct component values are listed in the Electrical Replacement Parts List. Therefore, always check this list when there is any doubt.

2.3.3 Rework on BGA (Ball Grid Array) Ics

General

Although (LF)BGA assembly yields are very high, there may still be a requirement for component rework. By rework, we mean the process of removing the component from the PWB and replacing it with a new component. If an (LF)BGA is removed from a PWB, the solder balls of the component are deformed drastically so the removed (LF)BGA has to be discarded.

Device Removal

As is the case with any component that, it is essential when removing an (LF)BGA, the board, tracks, solder lands, or surrounding components are not damaged. To remove an (LF)BGA, the board must be uniformly heated to a temperature close to the reflow soldering temperature. A uniform temperature reduces the chance of warping the PWB. To do this, we recommend that the board is heated until it is certain that all the joints are molten. Then carefully pull the component off the board with a vacuum nozzle. For the appropriate temperature profiles, see the IC data sheet.

Area Preparation

When the component has been removed, the vacant IC area must be cleaned before replacing the (LF)BGA. Removing an IC often leaves varying amounts of solder on the mounting lands. This excessive solder can be removed with either a solder sucker or solder wick. The remaining flux can be removed with a brush and cleaning agent. After the board is properly cleaned and inspected, apply flux on the solder lands and on the connection balls of the (LF)BGA.

Note: Do not apply solder paste, as this has shown to result in problems during re-soldering.

Device Replacement

The last step in the repair process is to solder the new component on the board. Ideally, the (LF)BGA should be aligned under a microscope or magnifying glass. If this is not possible, try to align the (LF)BGA with any board markers. To reflow the solder, apply a temperature profile according to the IC data sheet. So as not to damage neighbouring components, it may be necessary to reduce some temperatures and times.

More Information

For more information on how to handle BGA devices, visit this URL: www.atyourservice.ce.philips.com (needs subscription, not available for all regions). After login, "select Magazine", then go to "Workshop Information". Here you will find Information on how to deal with BGA-ICs.

2.3.4 Lead Free Solder

Philips CE is going to produce lead-free sets (PBF) from 1.1.2005 onwards.

Lead-free sets will be indicated by the PHILIPS-lead-free logo on the Printed Wiring Boards (PWB):



Fig 2-1 Lead-free logo

This sign normally has a diameter of 6 mm, but if there is less space on a board also 3 mm is possible.

In case of doubt whether the board is lead-free or not (or with mixed technologies), you can use the following method:

- Always use the highest temperature to solder, when using SAC305 (see also instructions below).
- De-solder thoroughly (clean solder joints to avoid mix of two alloys).

Caution: For BGA-ICs, you must use the correct temperature profile, which is coupled to the 12NC. For an overview of these profiles, visit the website www.atyourservice.ce.philips.com (needs subscription, but is not available for all regions). You will find this and more technical information within the "Magazine", chapter "Workshop information". For additional questions please contact your local repair helpdesk.

Due to lead-free technology some rules have to be respected by the workshop during a repair:

- Use only lead-free soldering tin. If lead-free solder paste is required, please contact the manufacturer of your soldering equipment. In general, use of solder paste within workshops should be avoided because paste is not easy to store and to handle.

- Use only adequate solder tools applicable for lead-free soldering tin. The solder tool must be able
 - To reach at least a solder-tip temperature of 400°C.
 - To stabilise the adjusted temperature at the solder-tip.
 - To exchange solder-tips for different applications.
- Adjust your solder tool so that a temperature around 360°C - 380°C is reached and stabilised at the solder joint.

Heating time of the solder-joint should not exceed ~ 4 sec. Avoid temperatures above 400°C, otherwise wear-out of tips will rise drastically and flux-fluid will be destroyed. To avoid wear-out of tips, switch "off" unused equipment or reduce heat.

- Mix of lead-free soldering tin/parts with leaded soldering tin/parts is possible but PHILIPS recommends strongly to avoid mixed regimes. If not to avoid, clean carefully the solder-joint from old tin and re-solder with new tin.
- Use only original spare-parts listed in the Service-Manuals. Not listed standard material (commodities) has to be purchased at external companies.
- Special information for lead-free BGA ICs: these ICs will be delivered in so-called "dry-packaging" to protect the IC against moisture. This packaging may only be opened short before it is used (soldered). Otherwise the body of the IC gets "wet" inside and during the heating time the structure of the IC will be destroyed due to high (steam-) pressure inside the body. If the packaging was opened before usage, the IC has to be heated up for some hours (around 90°C) for drying (think of ESD-protection!).

Do not re-use BGAs at all!

- For sets produced before 1.1.2005, containing leaded soldering tin and components, all needed spare parts will be available till the end of the service period. For the repair of such sets nothing changes.

In case of doubt whether the board is lead-free or not (or with mixed technologies), you can use the following method:

- Always use the highest temperature to solder, when using SAC305 (see also instructions below).
- De-solder thoroughly (clean solder joints to avoid mix of two alloys).

Caution: For BGA-ICs, you **must** use the correct temperature profile, which is coupled to the 12NC. For an overview of these profiles, visit the website www.atyourservice.ce.philips.com (needs subscription, but is not available for all regions). You will find this and more technical information within the "Magazine", chapter "Workshop information". For additional questions please contact your local repair helpdesk.

2.3.5 Practical Service Precautions

- **It makes sense to avoid exposure to electrical shock.**

While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.

- **Always respect voltages.** While some may not be dangerous in themselves, they can cause unexpected reactions - reactions that are best avoided. Before reaching into a powered TV set, it is best to test the high voltage insulation. It is easy to do, and is a good service precaution.

3. Directions for Use

You can download this information from the following websites:

<http://www.philips.com/support>

<http://www.p4c.philips.com>

4. Mechanical Instructions

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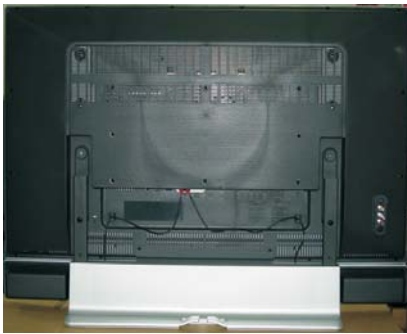
- 4.1 Assy/Panel Removal
- 4.2 Set Re-assembly

4.1 Assy/Panel Removal

Front view



Back view



Step 1. Remove the stand and speaker.

- a. Remove the 2 screws to remove the stand as Fig.3



Fig.3

- b. Remove the 4 screws and 2 cables to remove the speaker as Fig.4

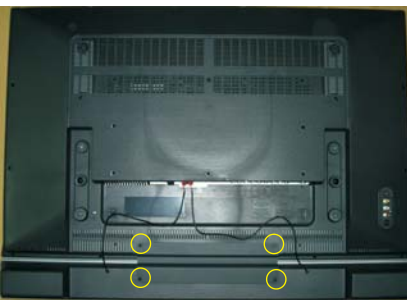


Fig.4

Step 2. Remove the Back cover as Fig.5.

- a. Remove the 20 screws to remove the Back cover as Fig.5

4. Mechanical Instructions

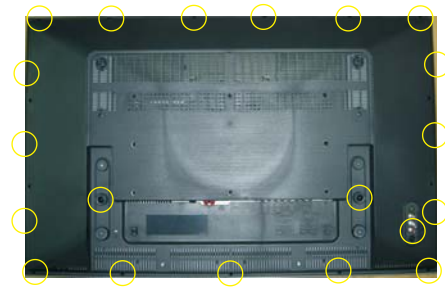


Fig.5

Step 3. Remove IR, Side AV, Key board and Main shield assy as Fig.6~8.

- a. Remove the 4 screws to remove the as Fig.6
- b. Remove the 1 cable and 2 screws to remove Side AV board as Fig.7
- c. Remove the 1 cable and 2 screws to remove IR board as Fig.7
- d. Remove the 1 cable to remove Key board as Fig.7
- e. Remove the the other 2 cables and 6 screws to remove the Main shield assy as Fig.7~8

Fig.1

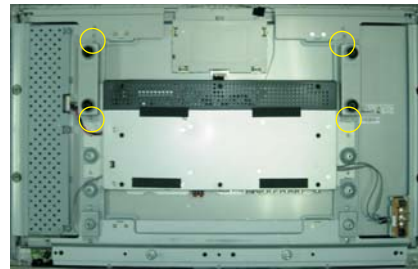


Fig.6

Fig.2

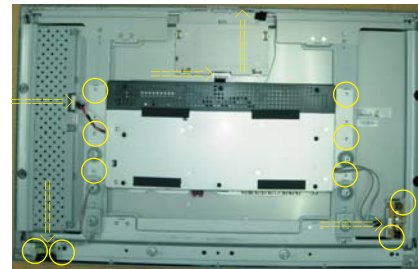


Fig.7



Fig.8

Step 4. Remove the Scaler and Power board.

- a. Remove the 11 screws as Fig. 9
- b. Remove the 12 screws to remove the Scaler and Power board as Fig.10~11



Fig.9

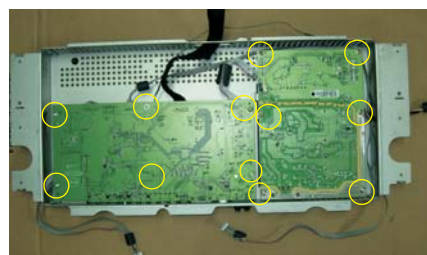


Fig. 10



Fig. 11

Step 5. Remove the Bezel assy as Fig.12~Fig.15 .

- a. Remove the 5 screws as Fig.12
- b. Remove the 4 screws as Fig.13
- c. Remove the 4 screws as Fig.14
- d. Remove the Bezel assy as Fig.15

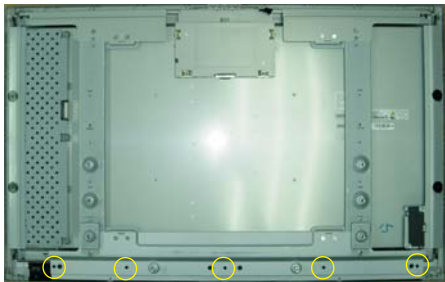


Fig. 12



Fig. 13



Fig. 14



Fig. 15

4.2 Set Re-assembly

To re-assemble the whole set, execute all processes in reverse order.

Notes:

- a. While re-assembling, make sure that all cables are placed and connected in their original position.
- b. Pay special attention not to damage the EMC foams at the SSB shielding. Check that EMC foams are put correctly on their places.

In warranty, it is not allowed to disassembly the LCD panel, even the backlight unit defect.

Out of warranty, the replacment of backlight unit is a correct way when the defect is cused by backlight (CCFL,Lamp).

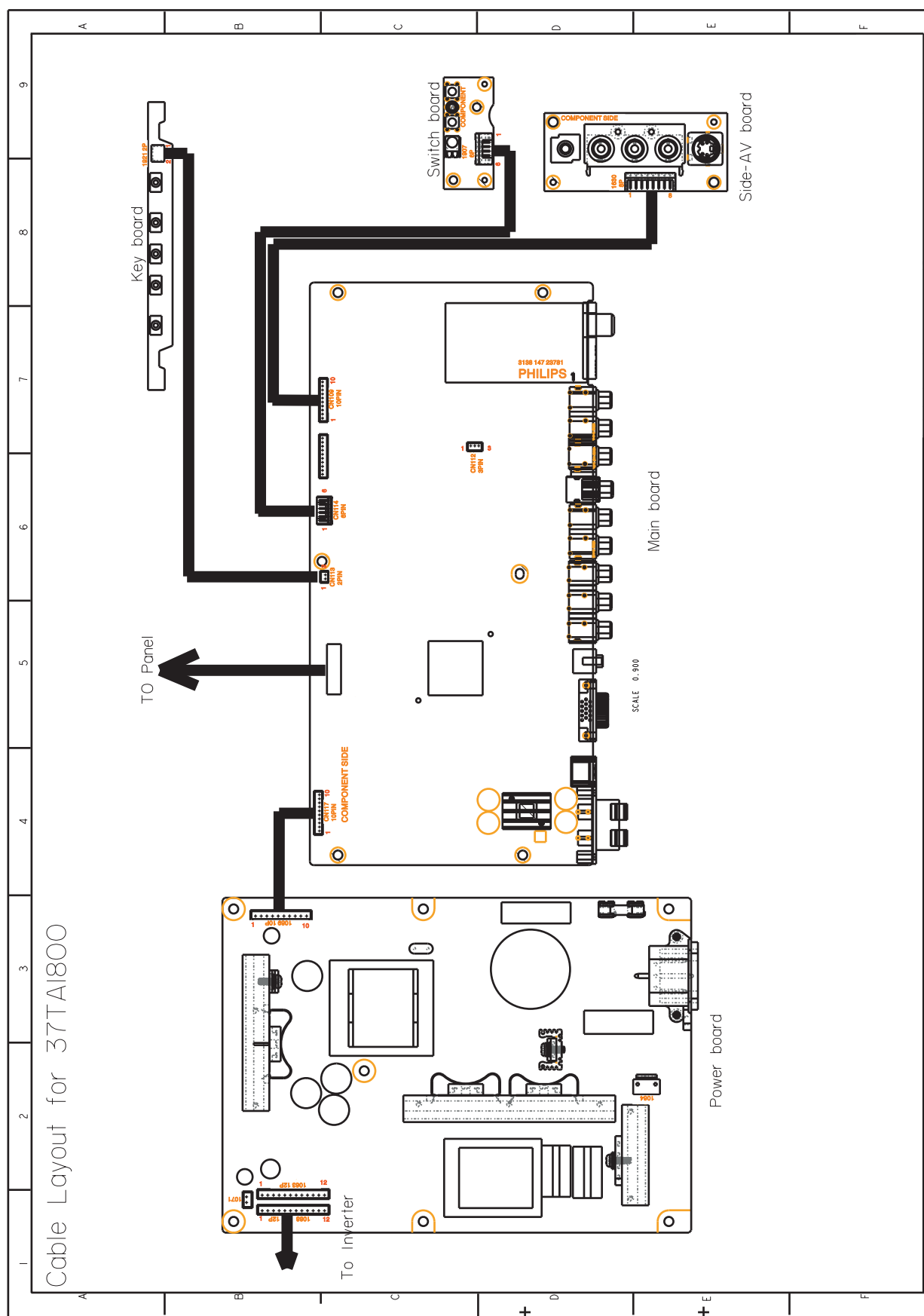
5. Block Diagram

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5.1 Wiring Diagram

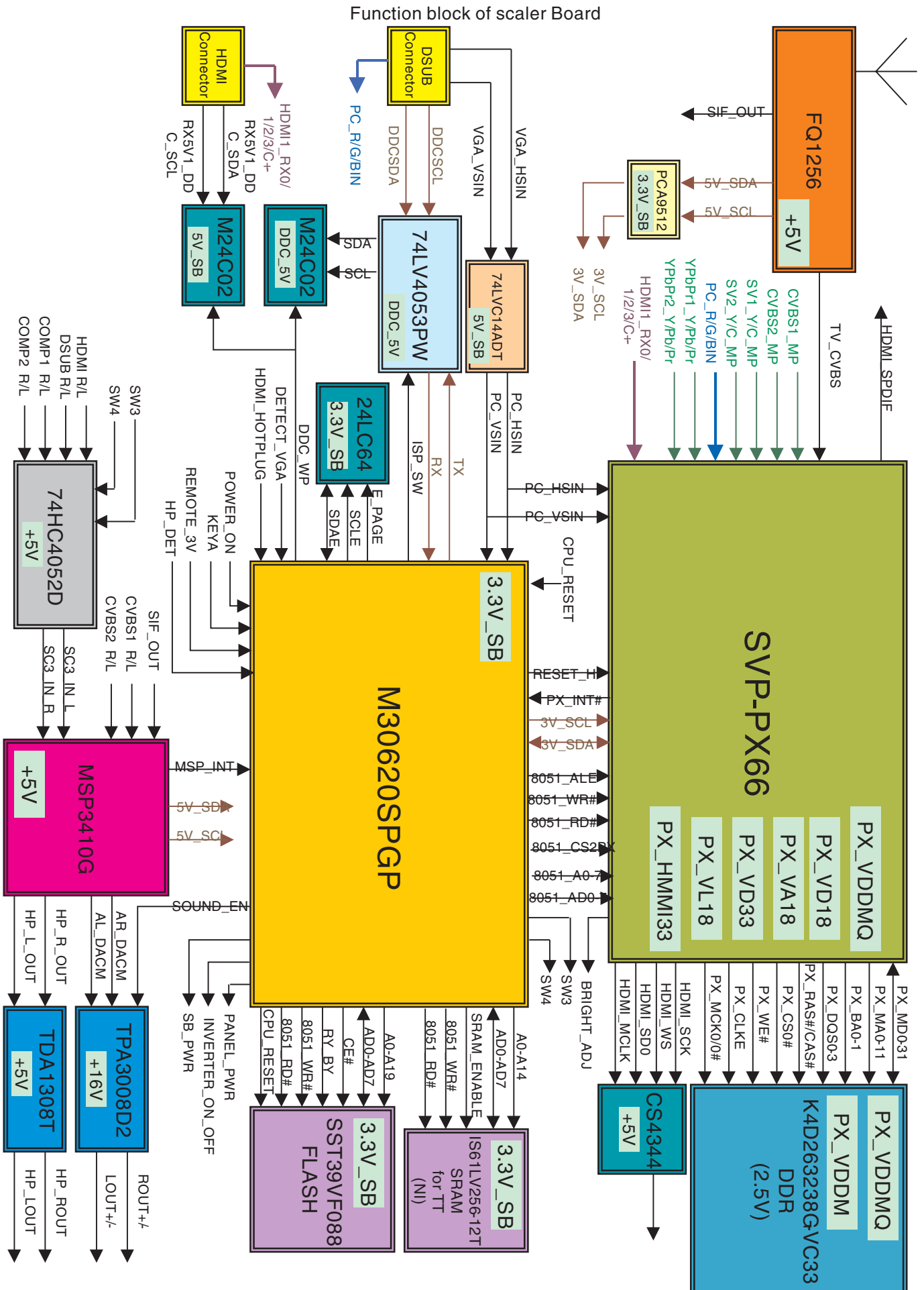
5.2 Block Diagram

5.1 Wiring Diagram



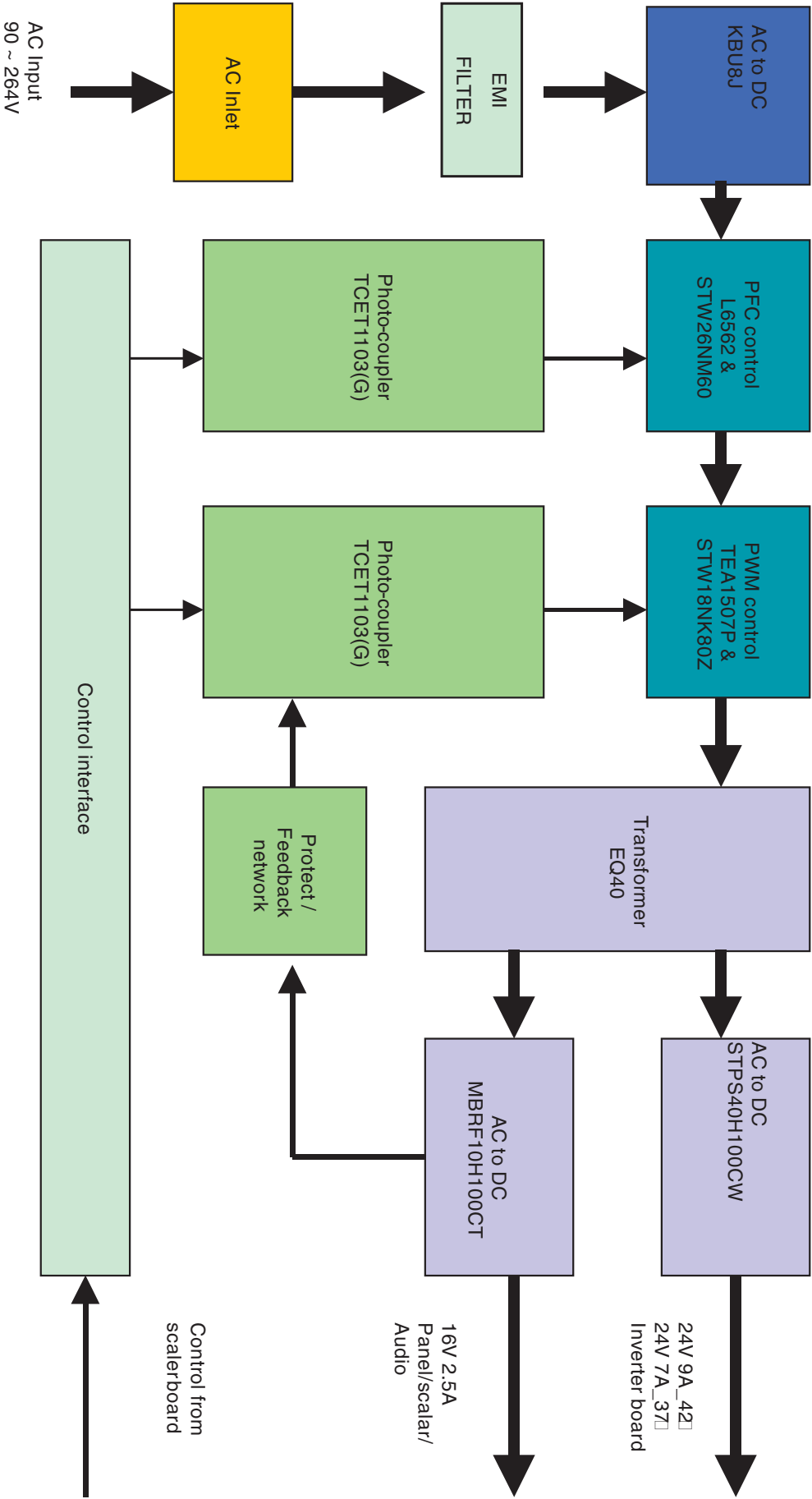
5. Block Diagram

5.2 Block Diagram



5. Block Diagram

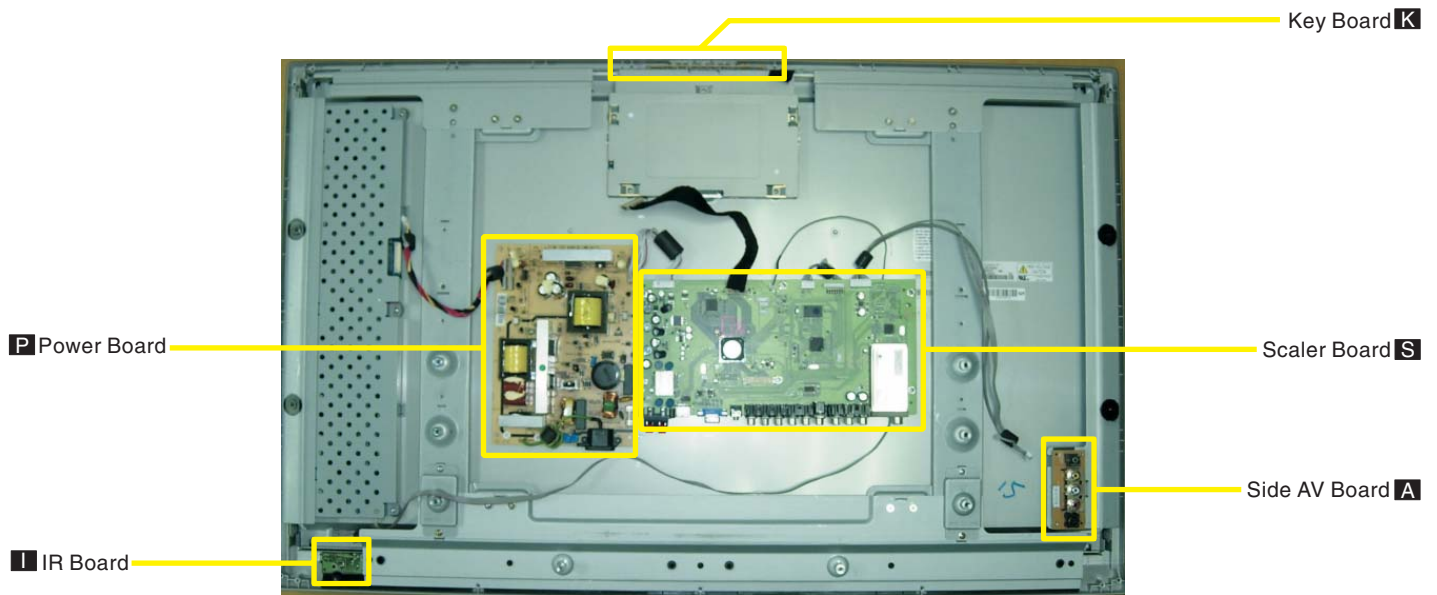
Function block of power Board



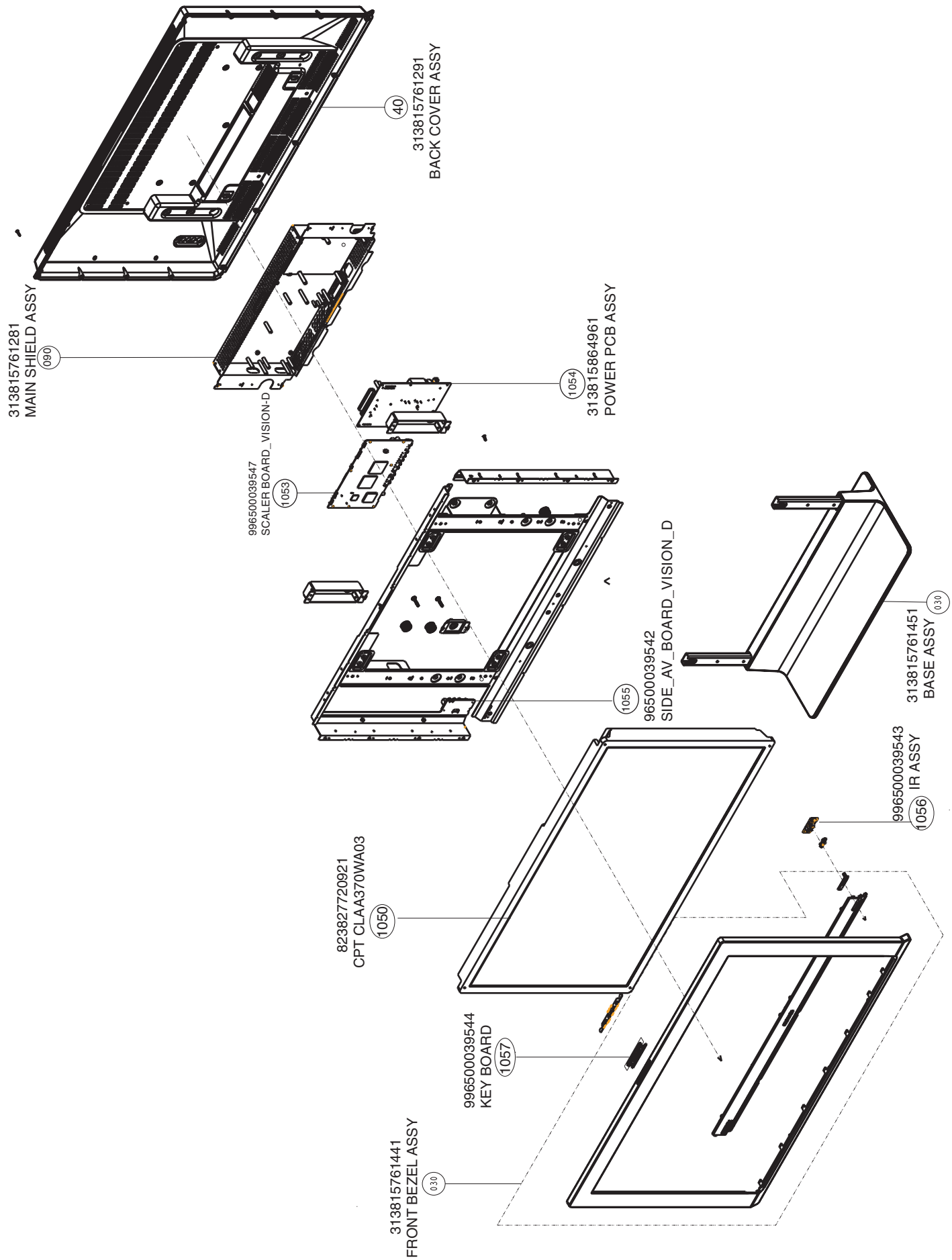
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- 6.2 Exploded View
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- 6.6 IR Board Schematic Diagram & Layouts
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6.1 Chassi Overview



6.2 37"Exploded View



6.3.1 Scaler Board Schematic Diagram-Contents

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Date	Author	Ver	Comments
2006-02-24	Hilton Lai	A	PHILIPS 37TA1800 SCALER SEHEMATIC FOR PROTOTYPE
2006-03-27	Hilton Lai	B	PHILIPS 37TA1800 SCALER SEHEMATIC FOR TEST
2006-04-19	Hilton Lai	C	PHILIPS 37TA1800 SCALER SEHEMATIC FOR 2ND MODEL
2006-05-22	Hilton Lai	D	PHILIPS 37TA1800 SCALER SEHEMATIC FOR TRIAL RUN
2006-07-04	Hilton Lai	1	PHILIPS 37TA1800 SCALER SEHEMATIC FOR MP

1

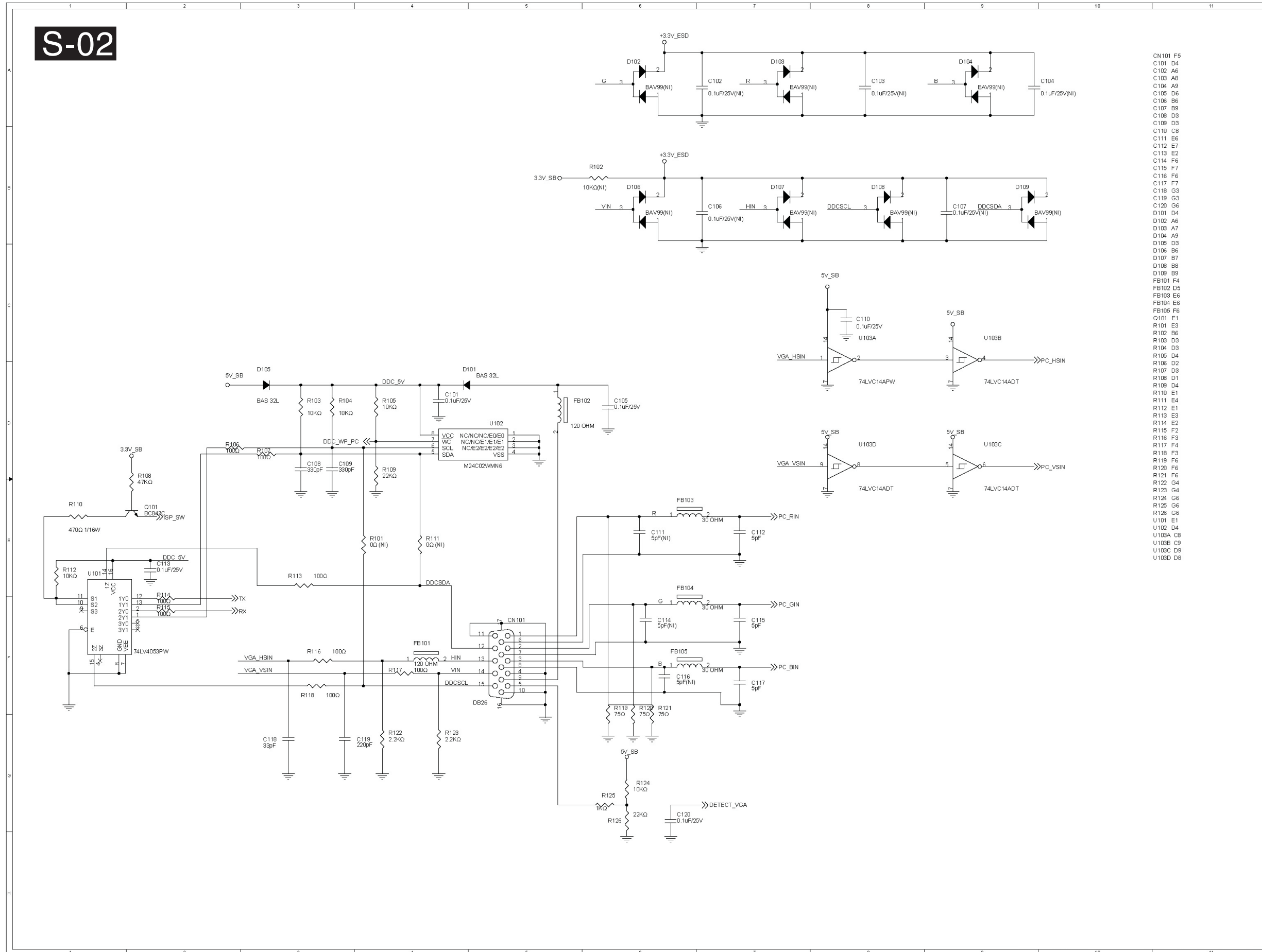
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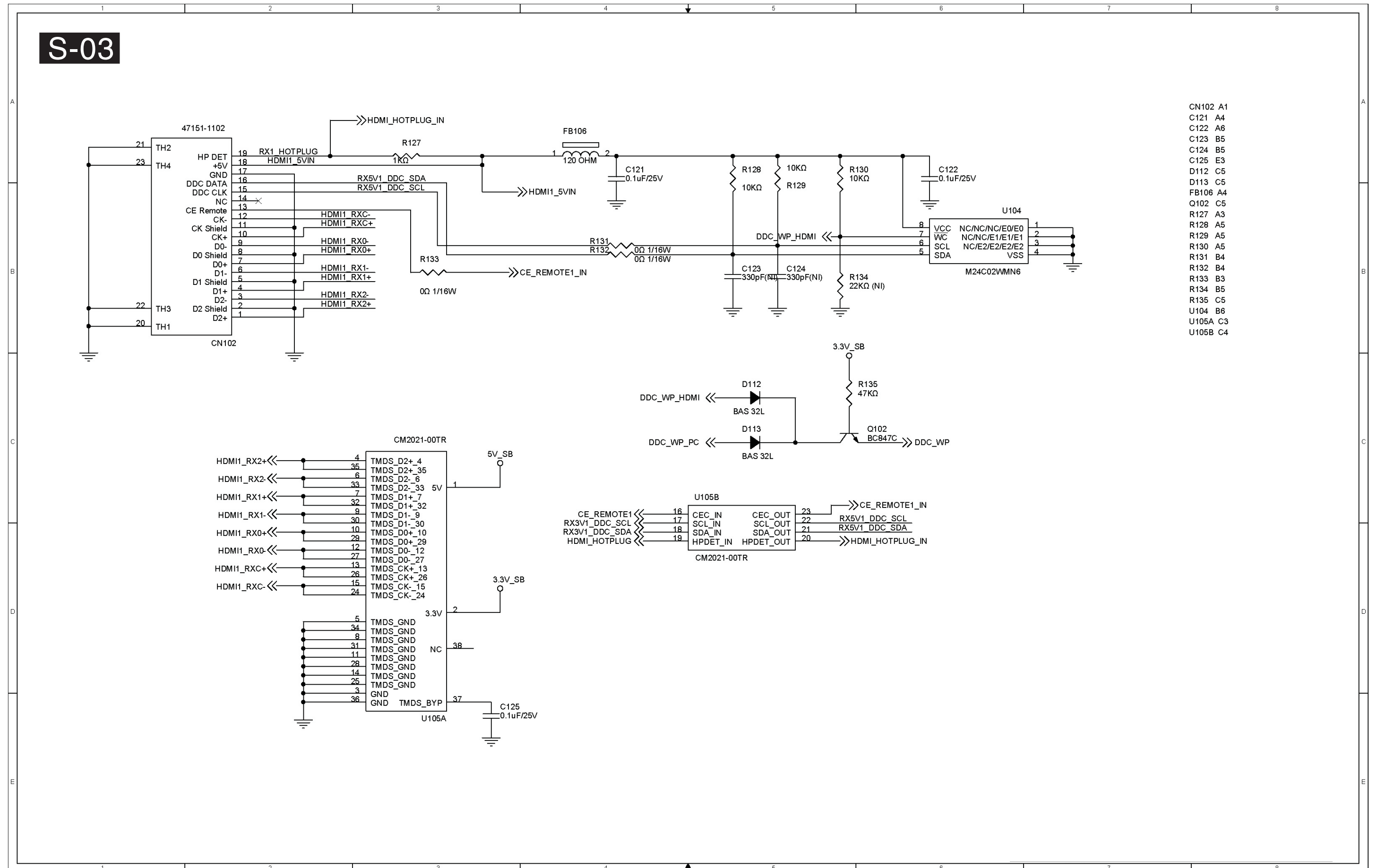
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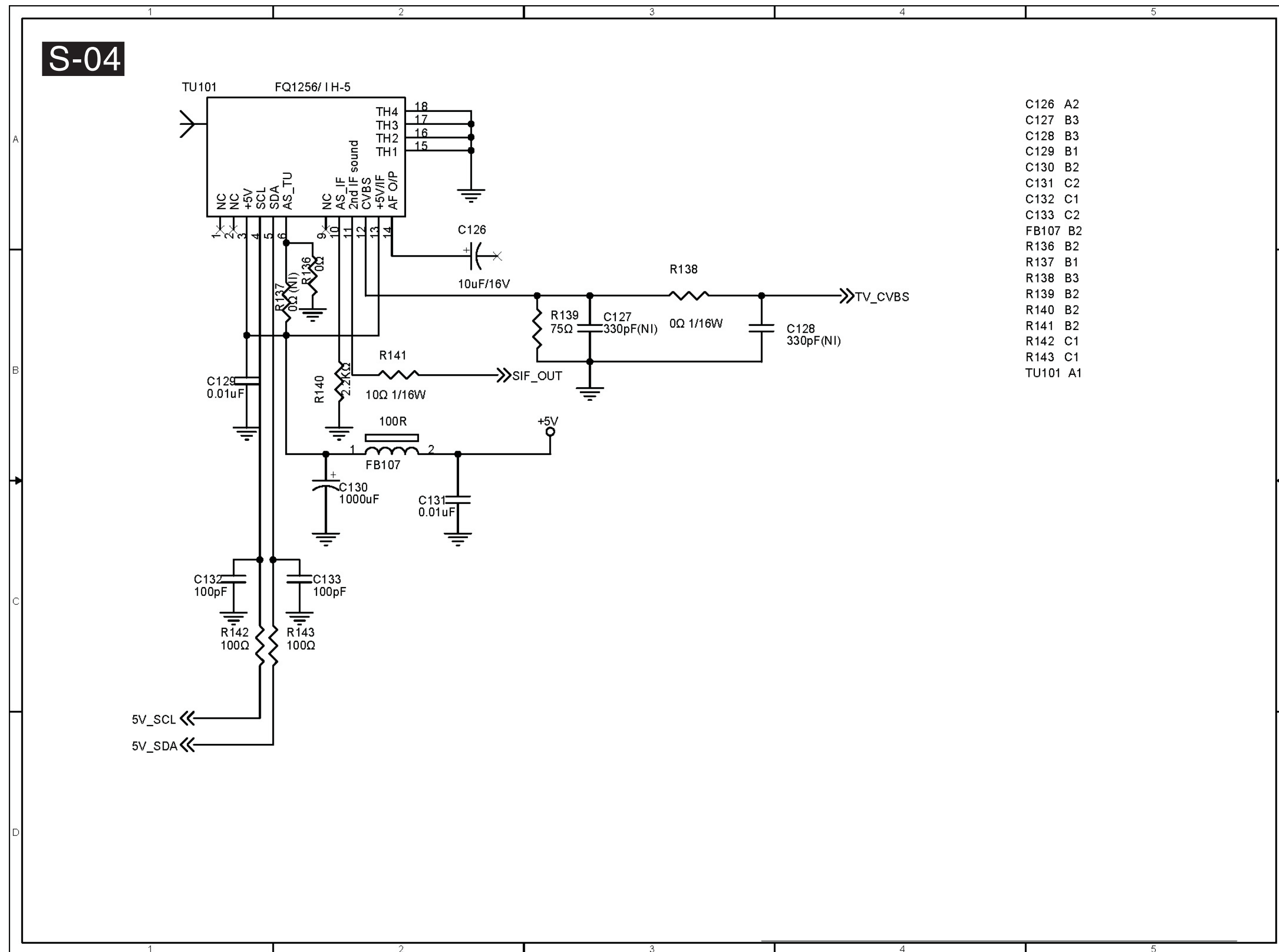
6.3.2 Scaler Board Schematic Diagram - DSUB/DVI



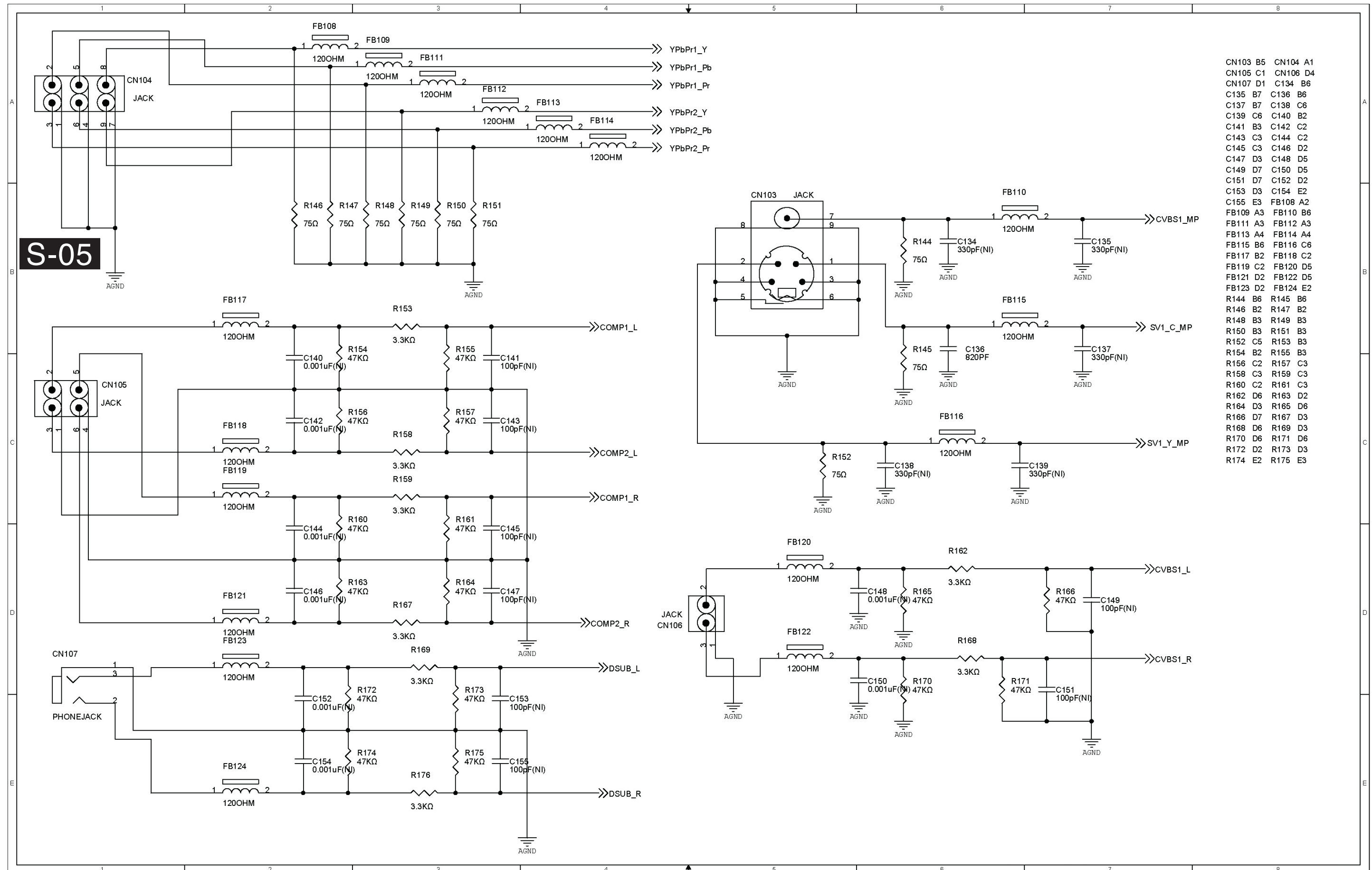
6.3.3 Scaler Board Schematic Diagram - HDMI



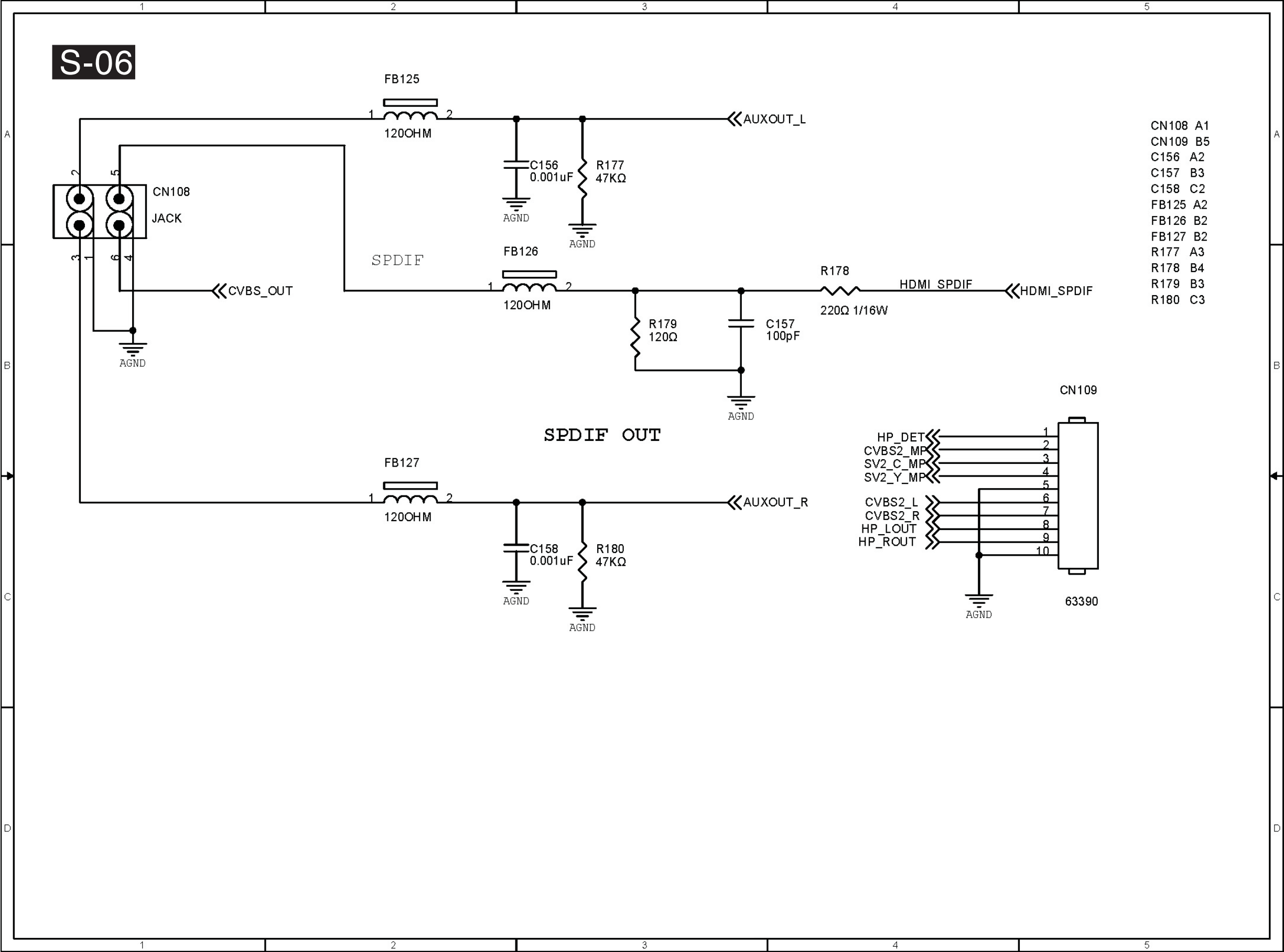
6.3.4 Scaler Board Schematic Diagram - TUNNER

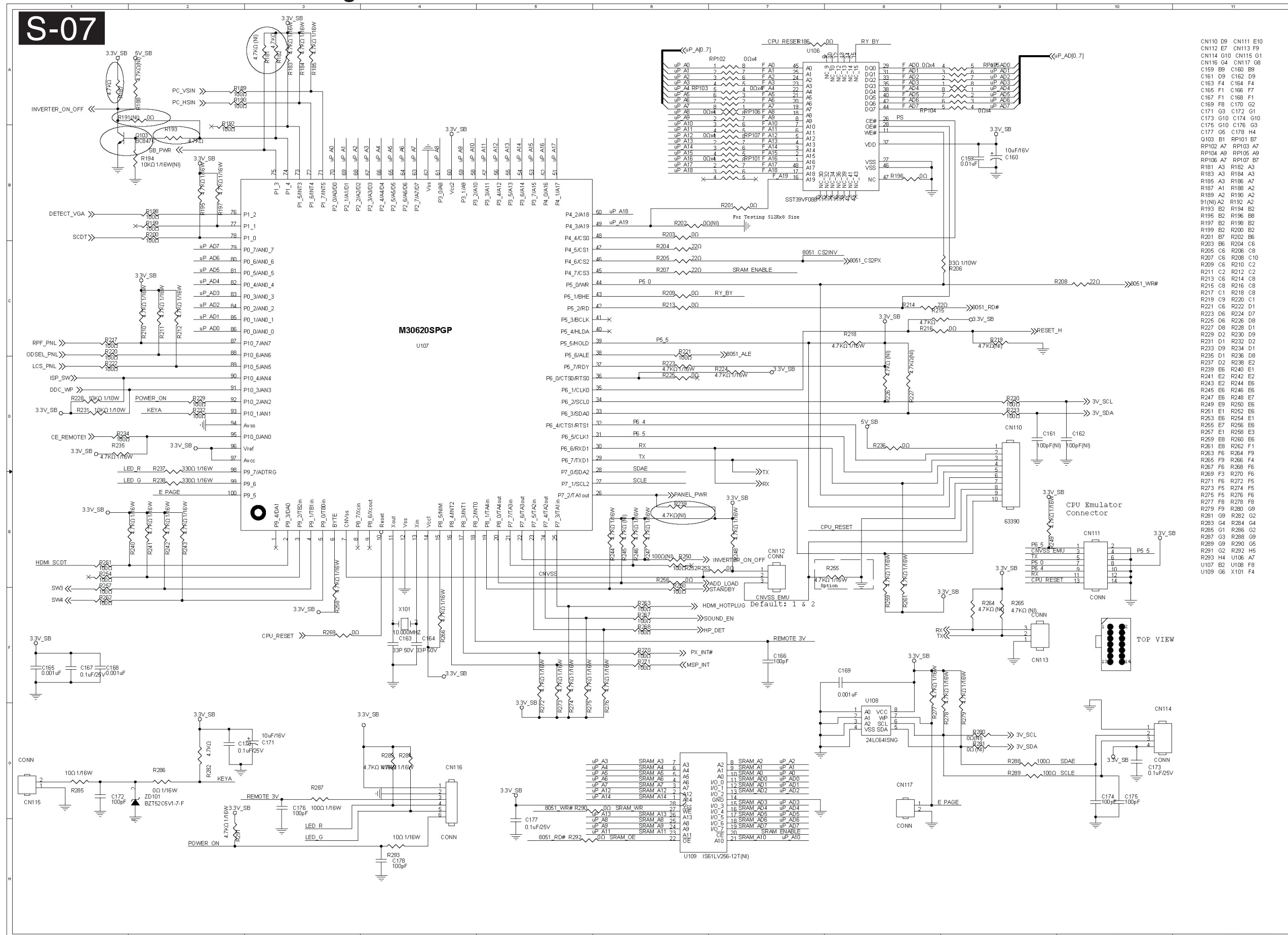


6.3.5 Scaler Board Schematic Diagram - AV CONNECTOR

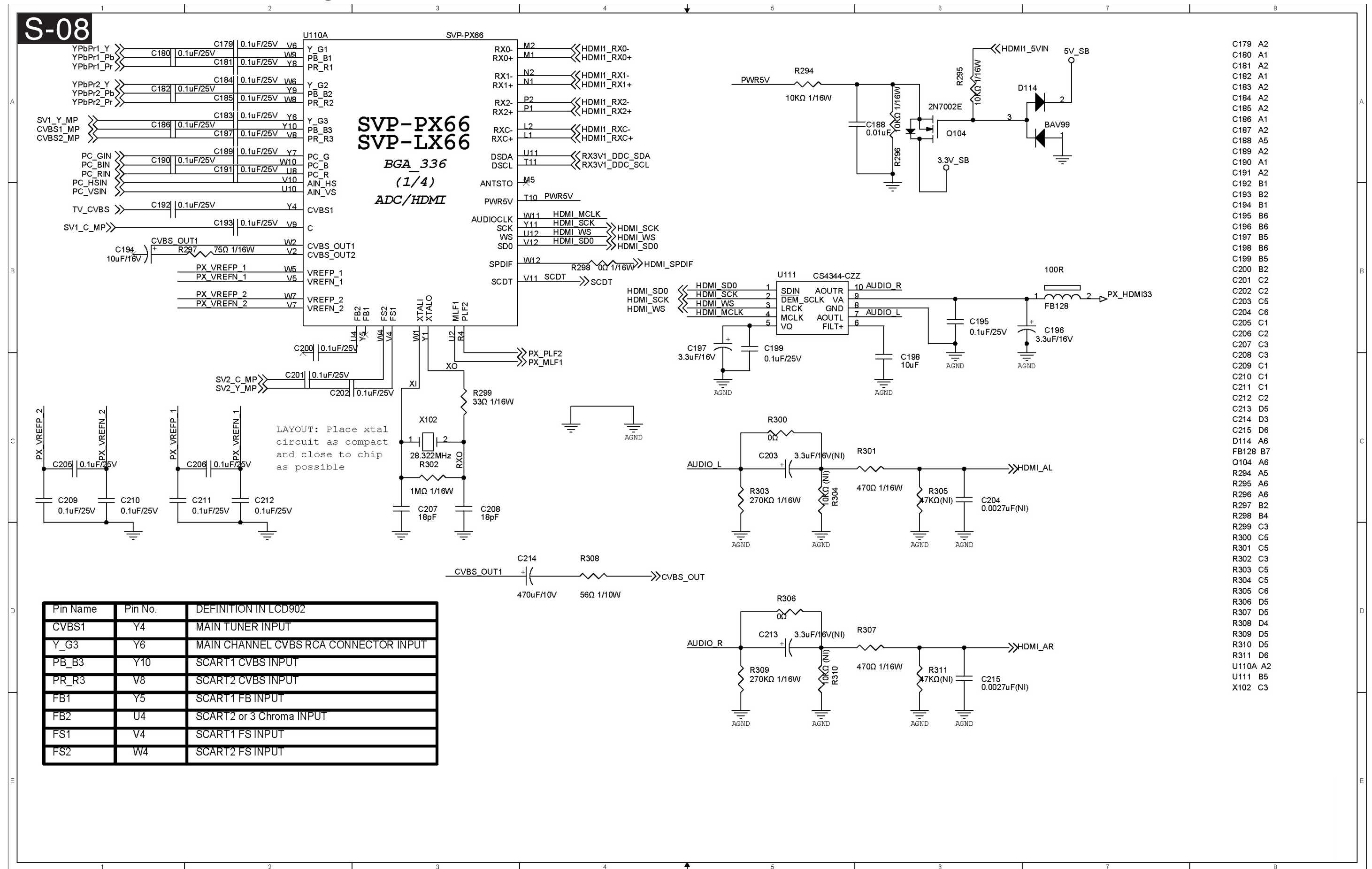


6.3.6 Scaler Board Schematic Diagram - IO

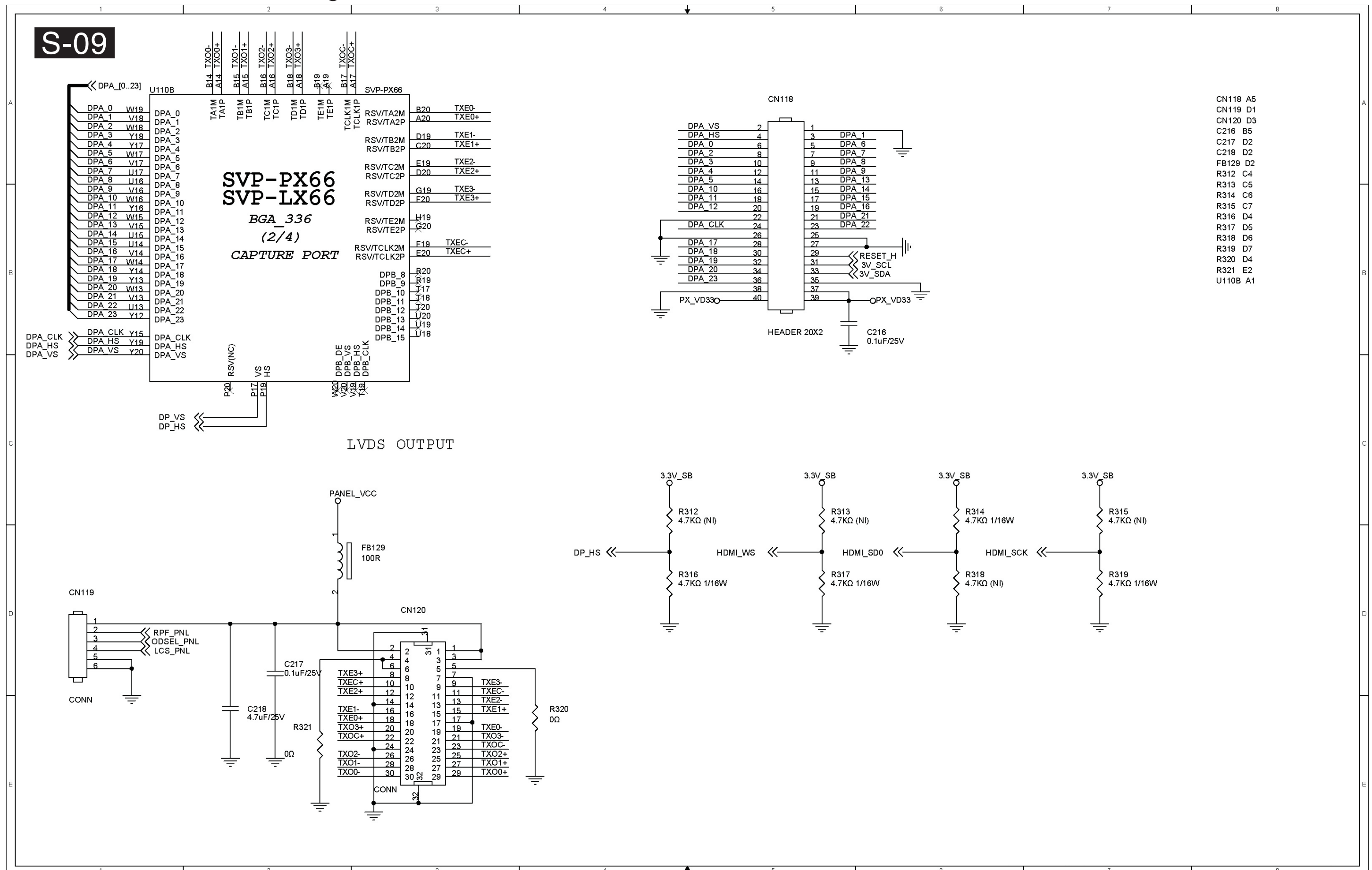




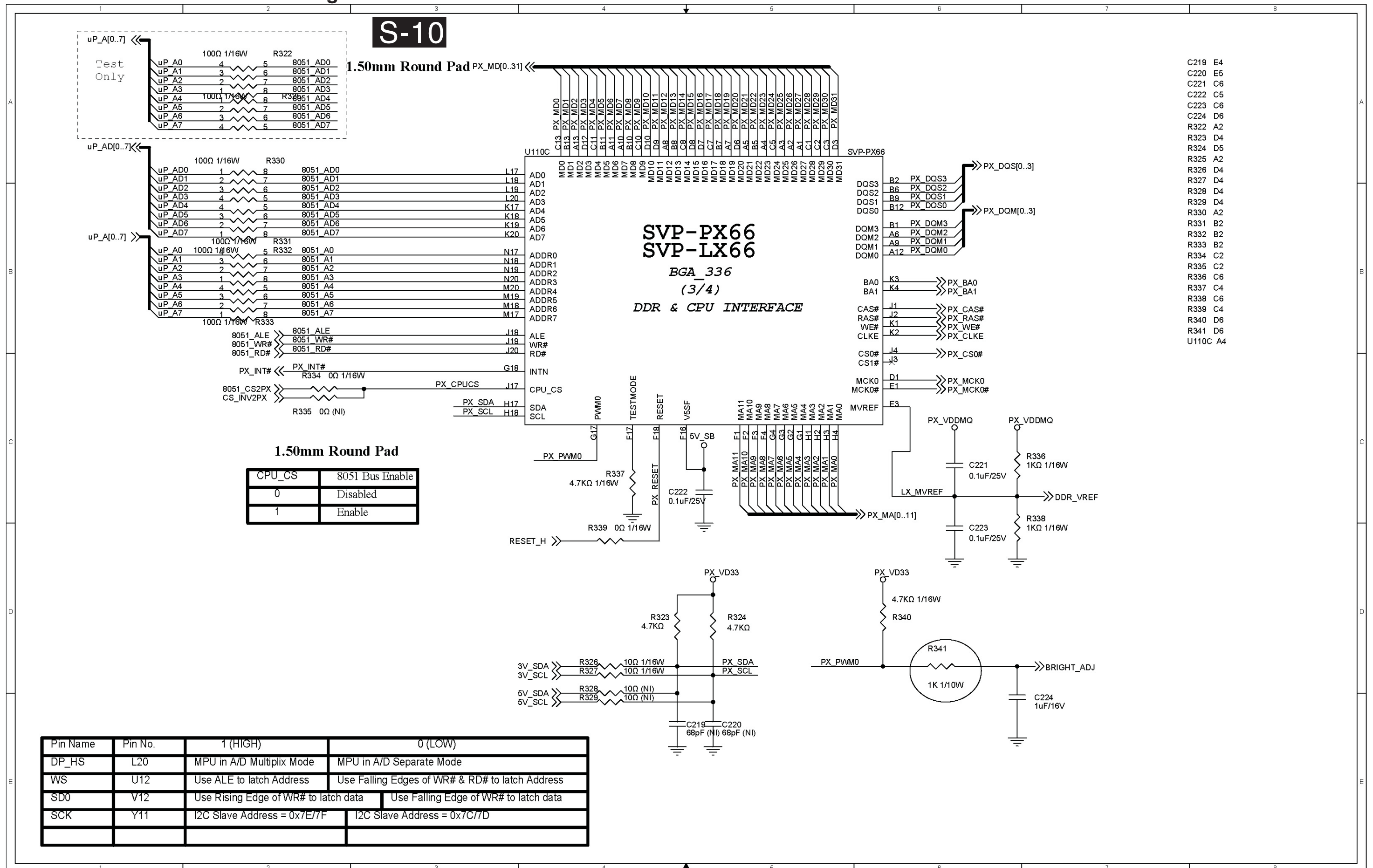
6.3.8 Scaler Board Schematic Diagram - SVP-PX66-1



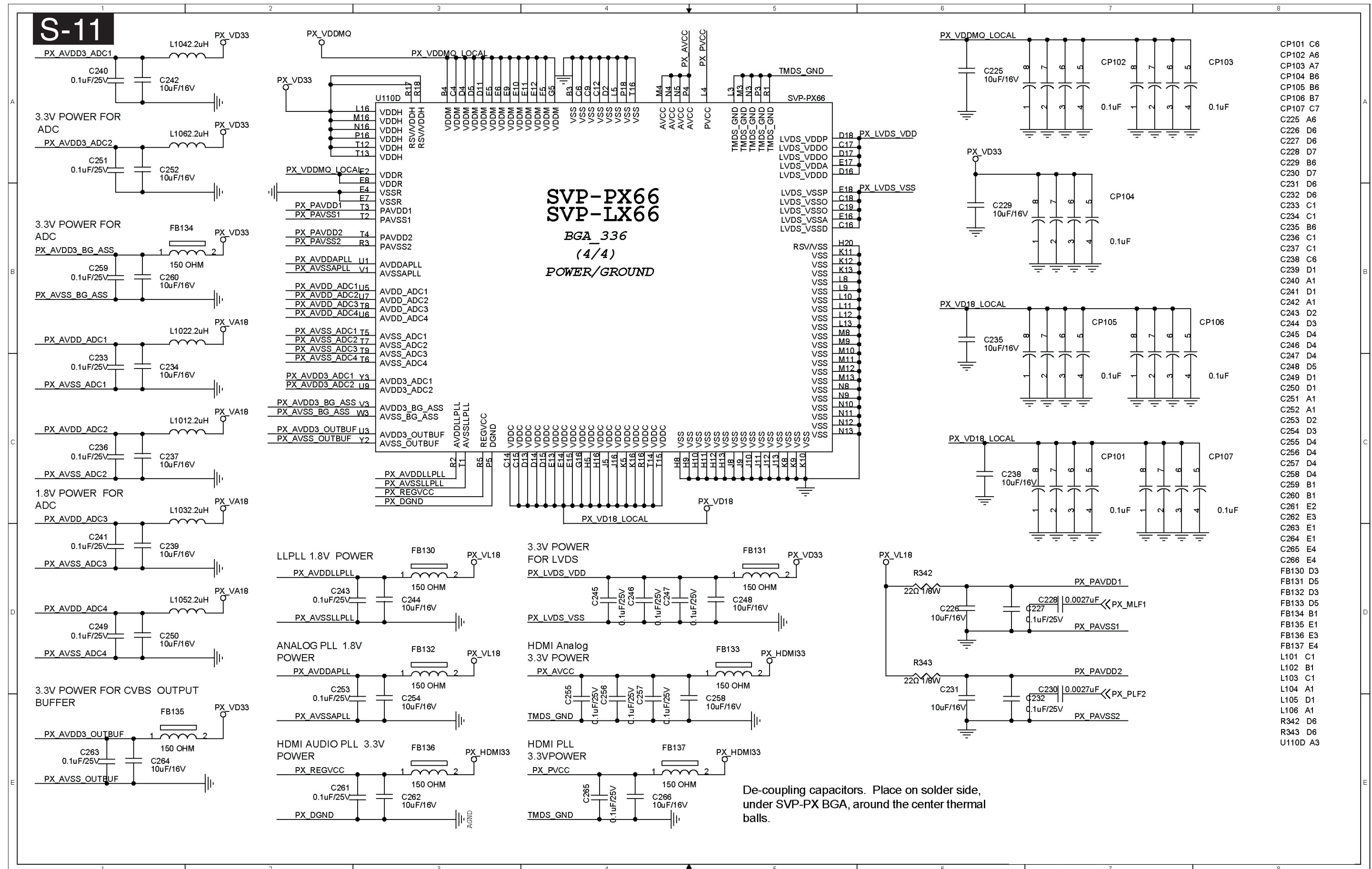
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6.3.10 Scaler Board Schematic Diagram - SVP-PX66-3

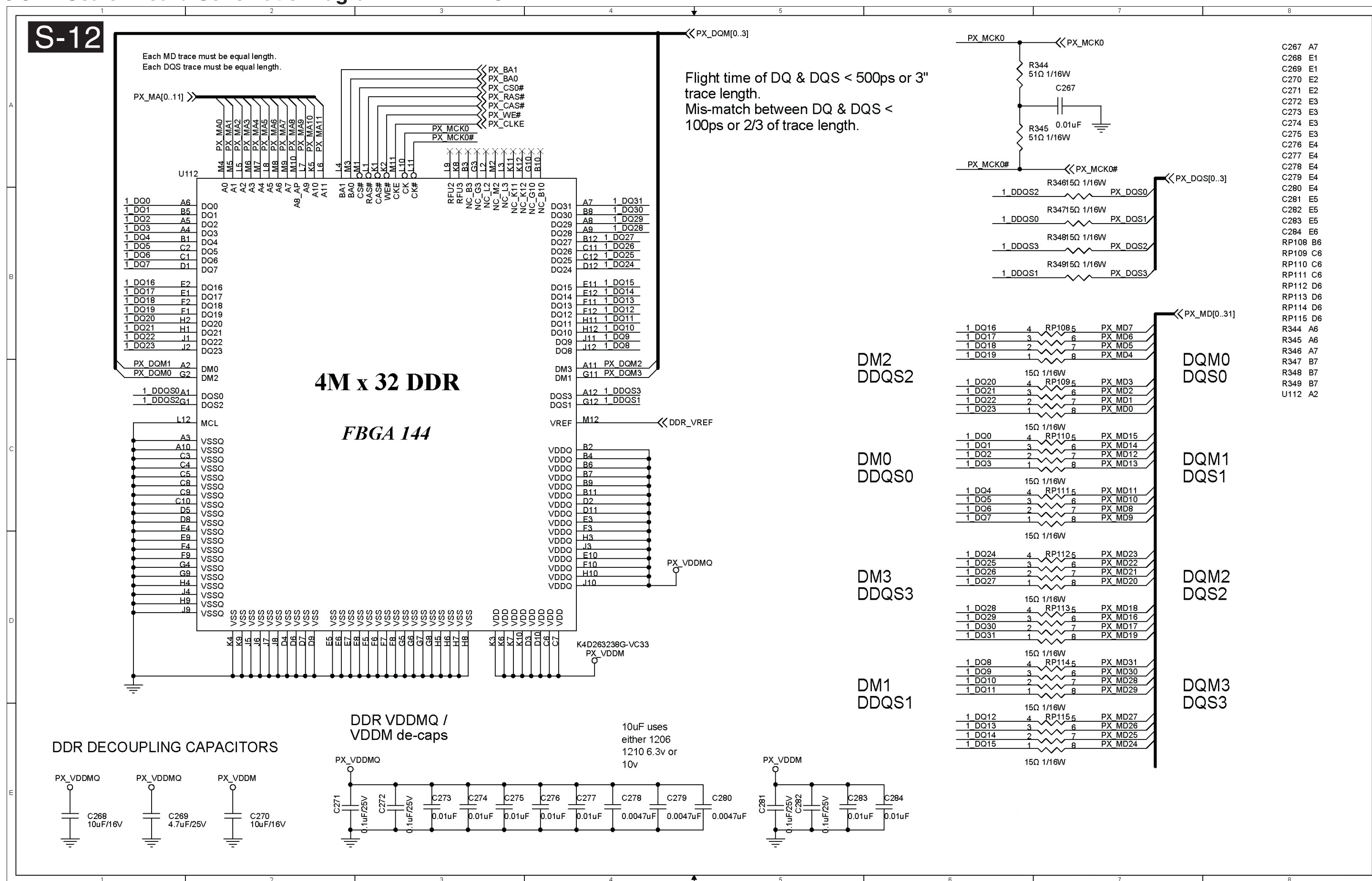


6.3.11 Scaler Board Schematic Diagram - SVP-PX66-4

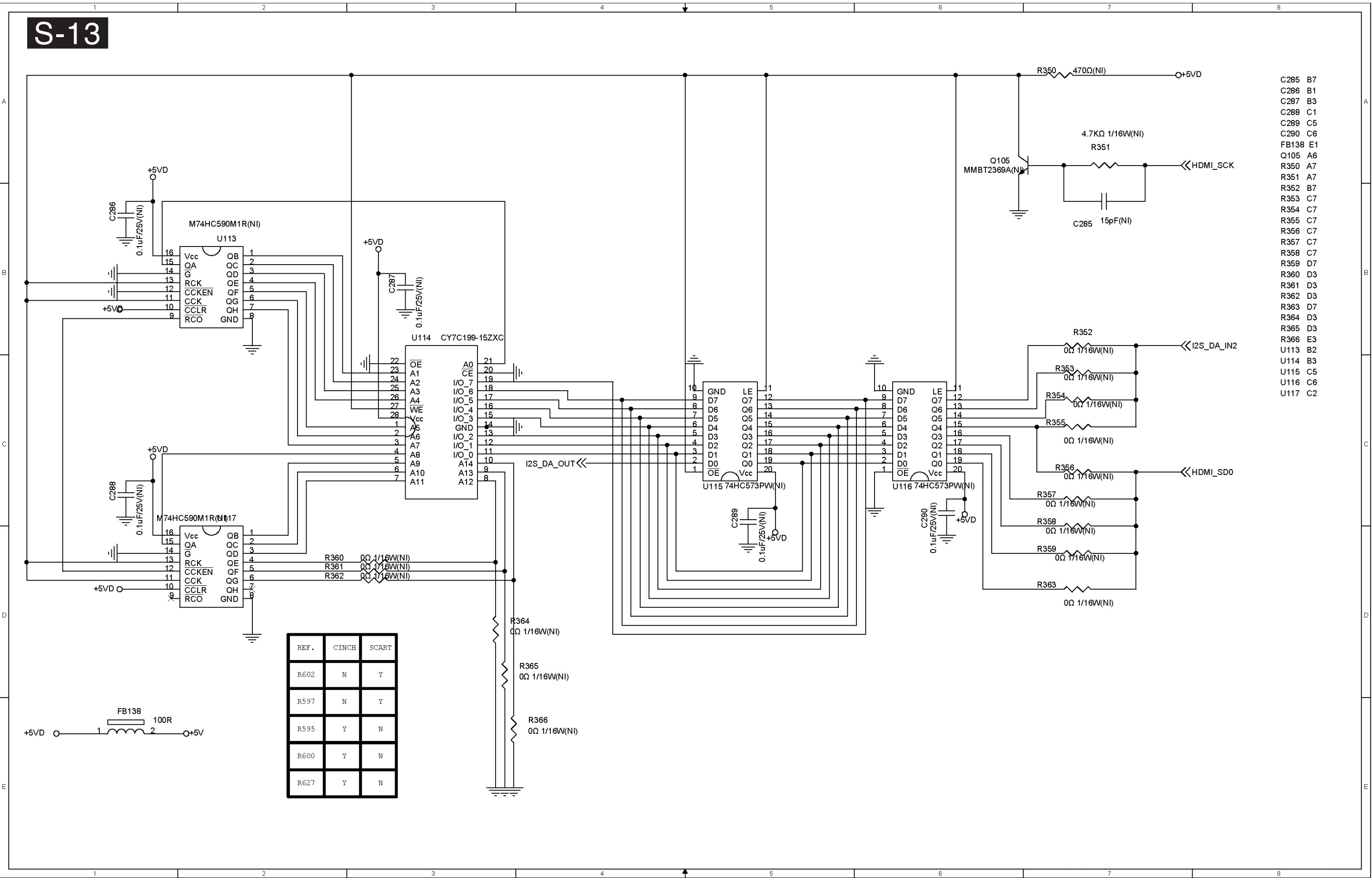


6. Circuit Diagrams and PWB Layouts

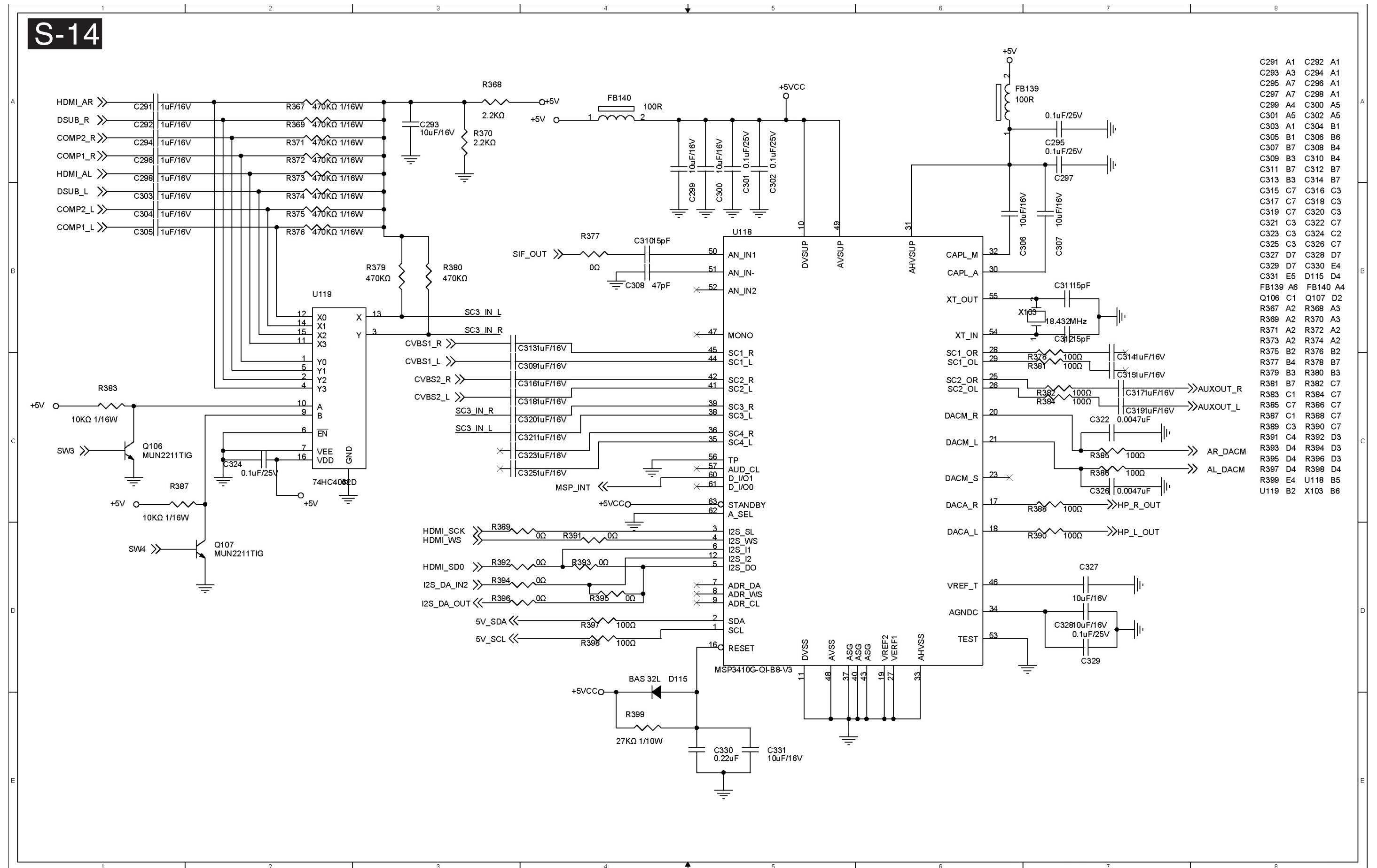
6.3.12 Scaler Board Schematic Diagram - DDR 4Mx32



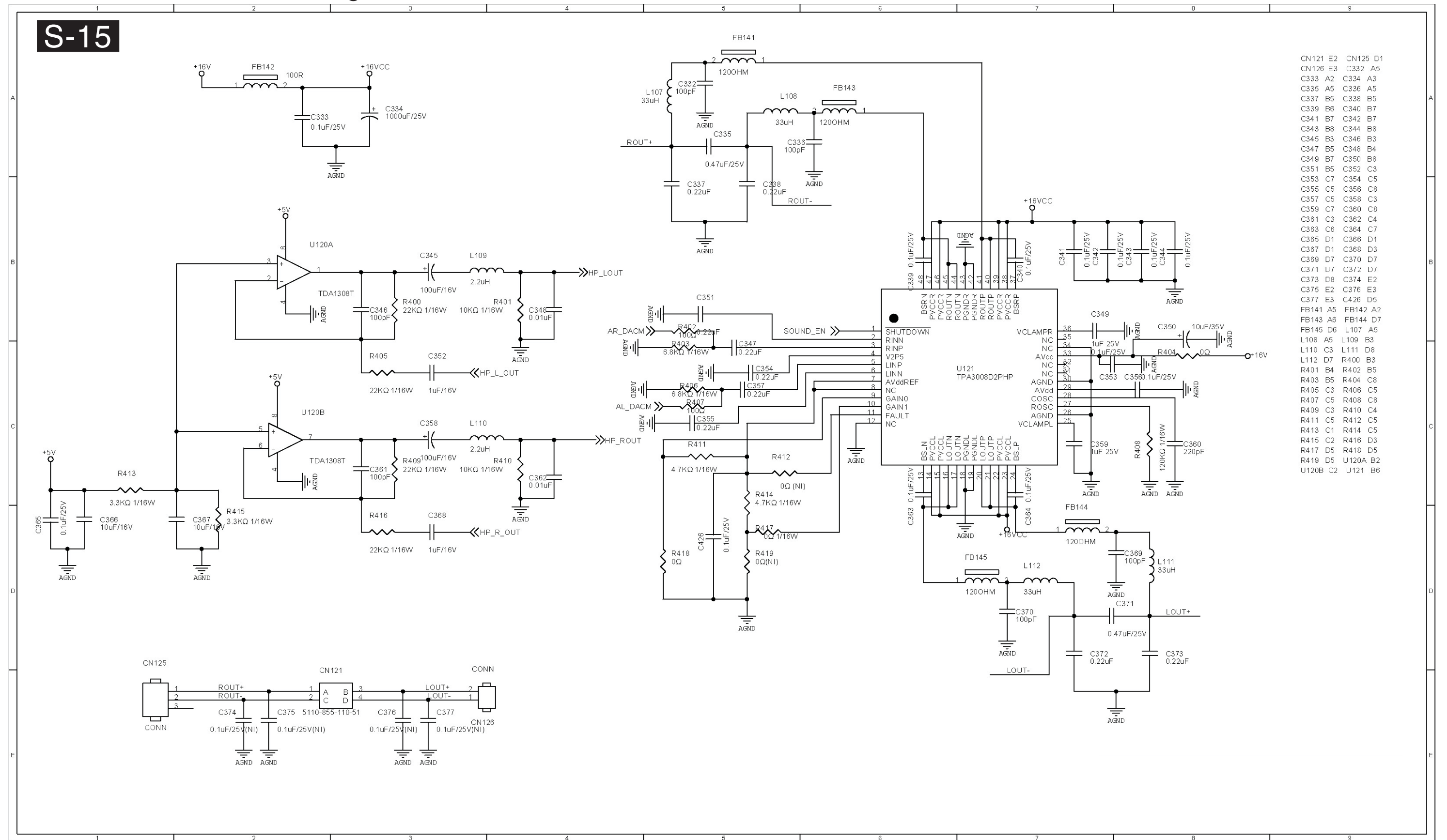
6.3.13 Scaler Board Schematic Diagram - SOUND DELAY



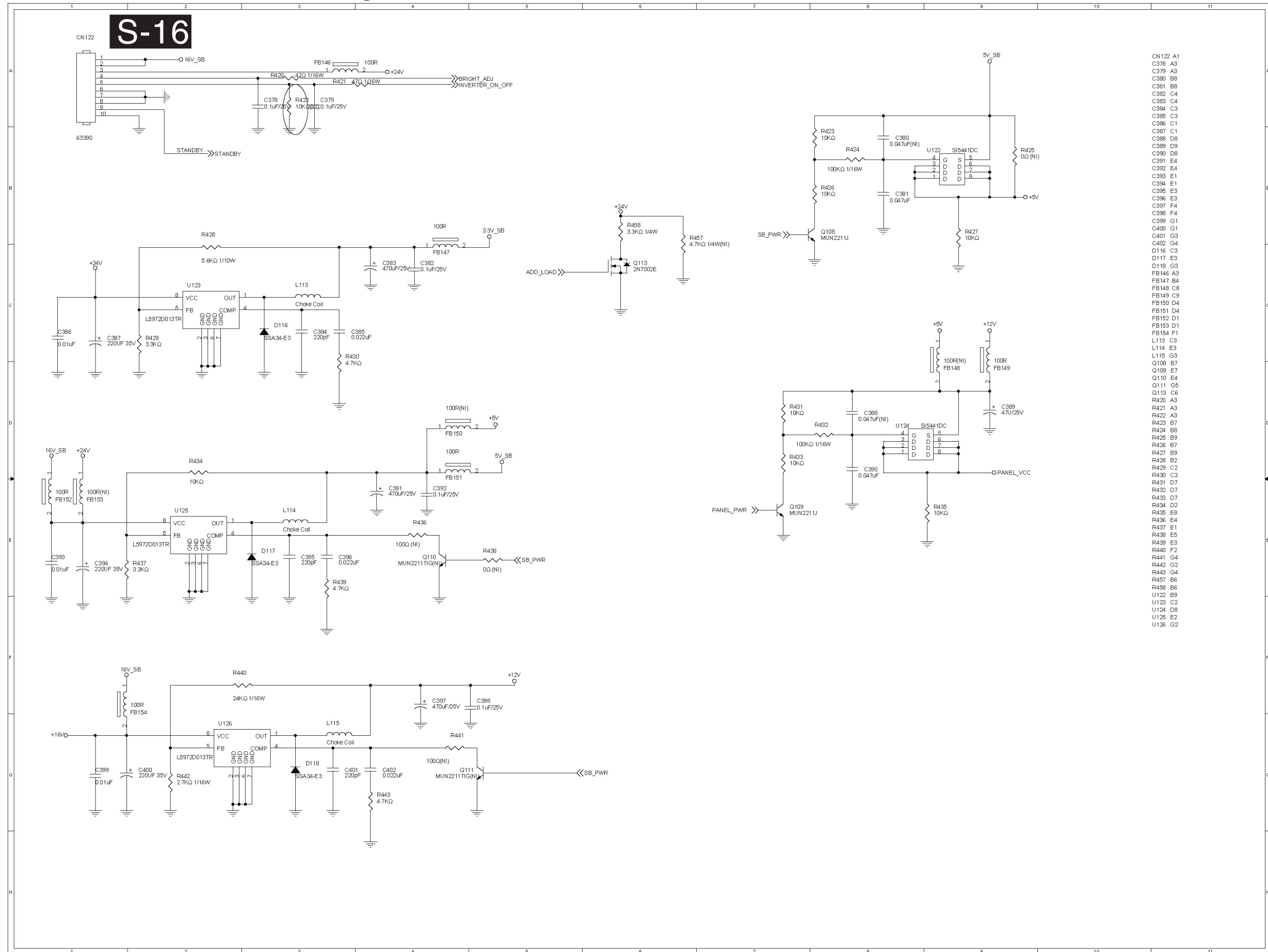
6.3.14 Scaler Board Schematic Diagram - AUDIO DECODER



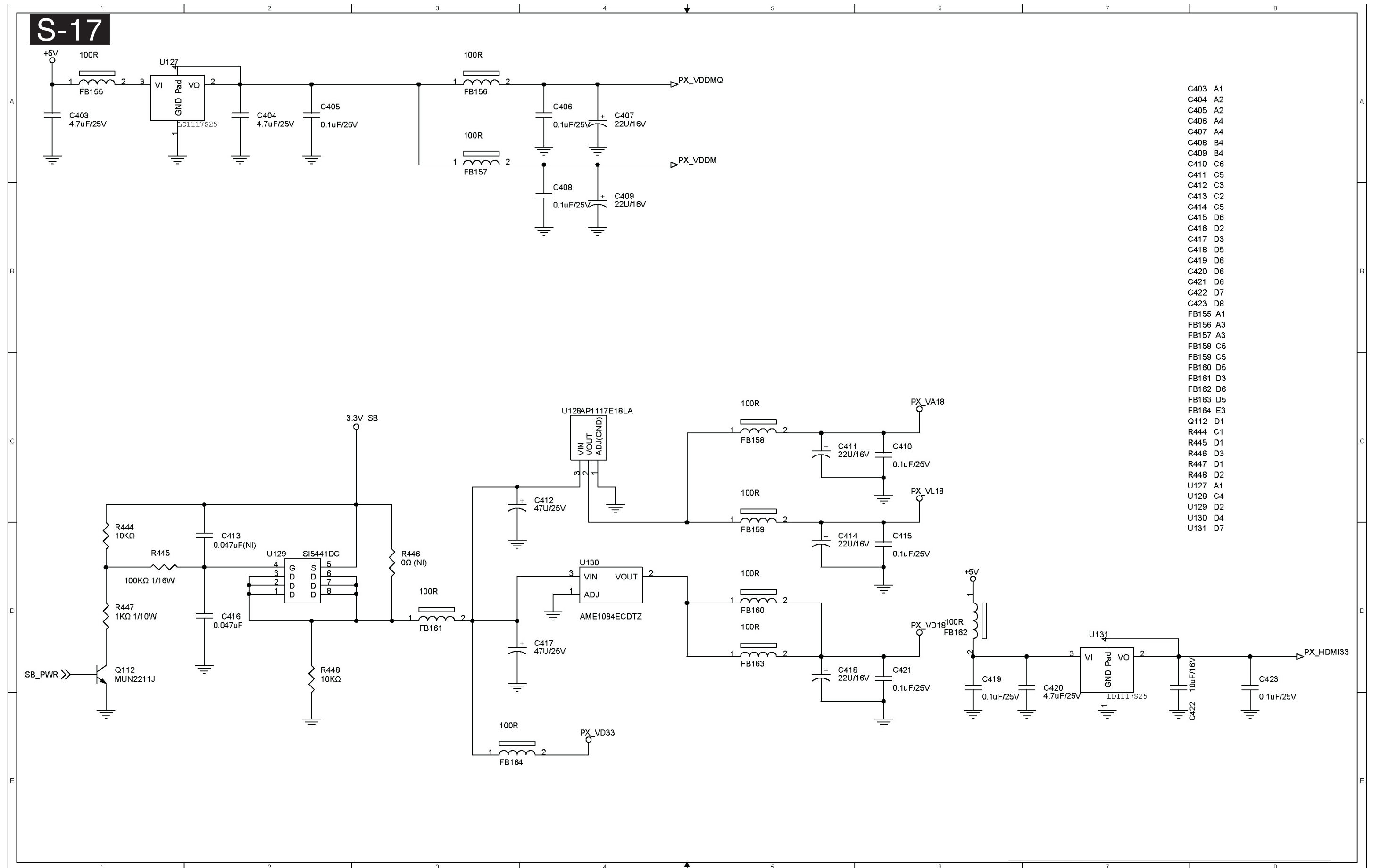
6.3.15 Scaler Board Schematic Diagram - AUDIO AMP



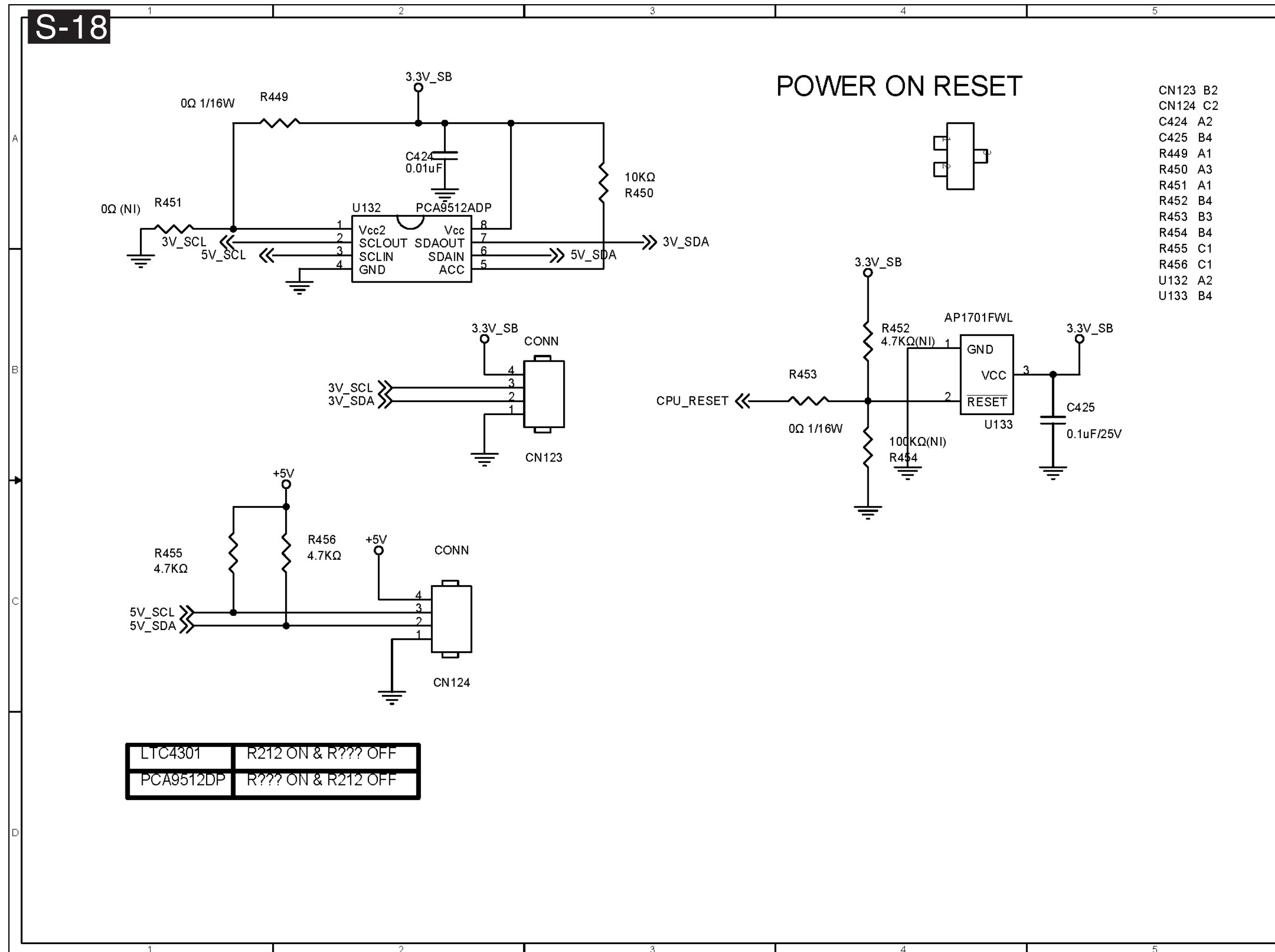
6.3.16 Scaler Board Schematic Diagram - POWER 1



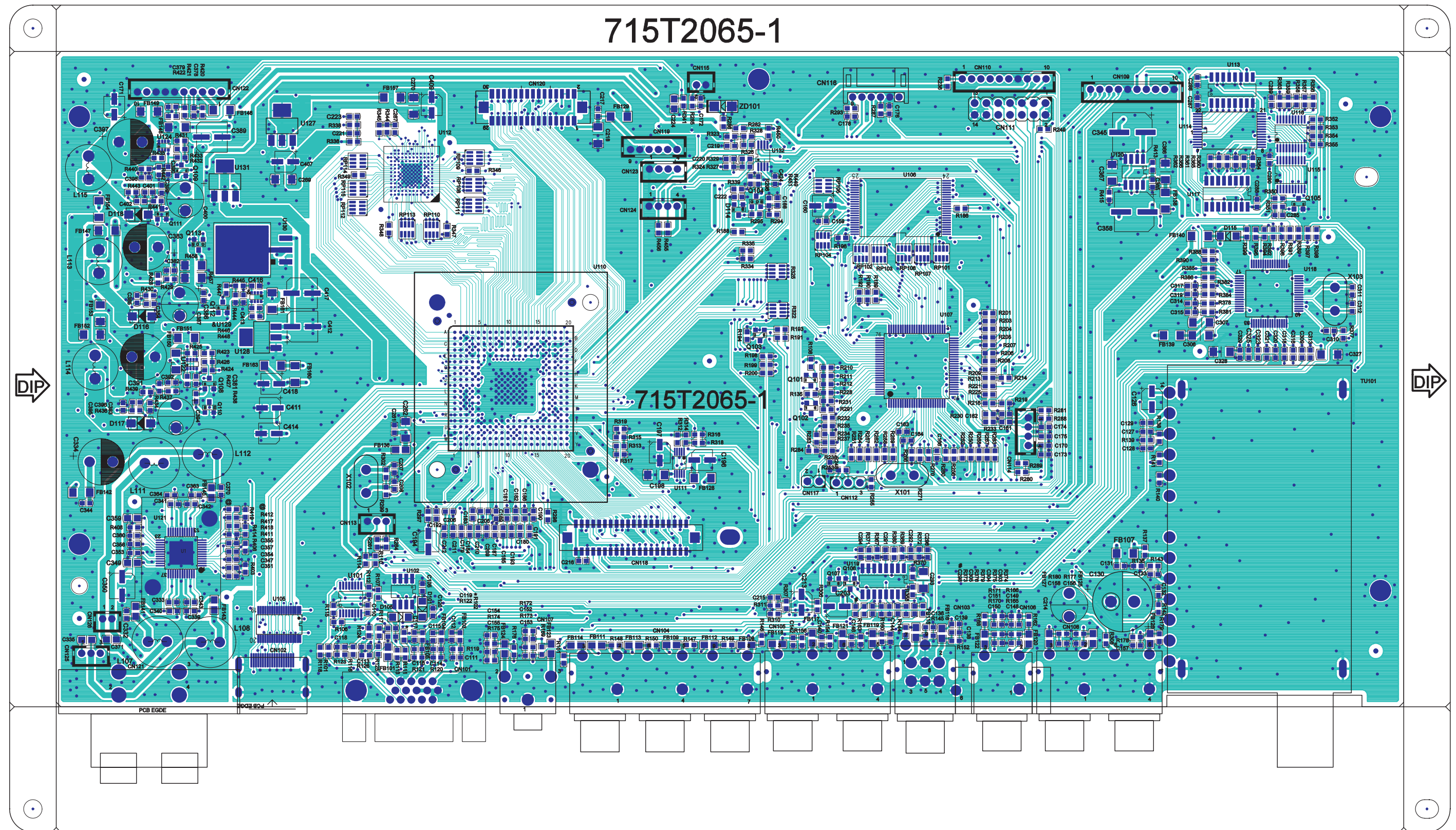
6.3.17 Scaler Board Schematic Diagram - POWER2



6.3.18 Scaler Board Schematic Diagram - RESET

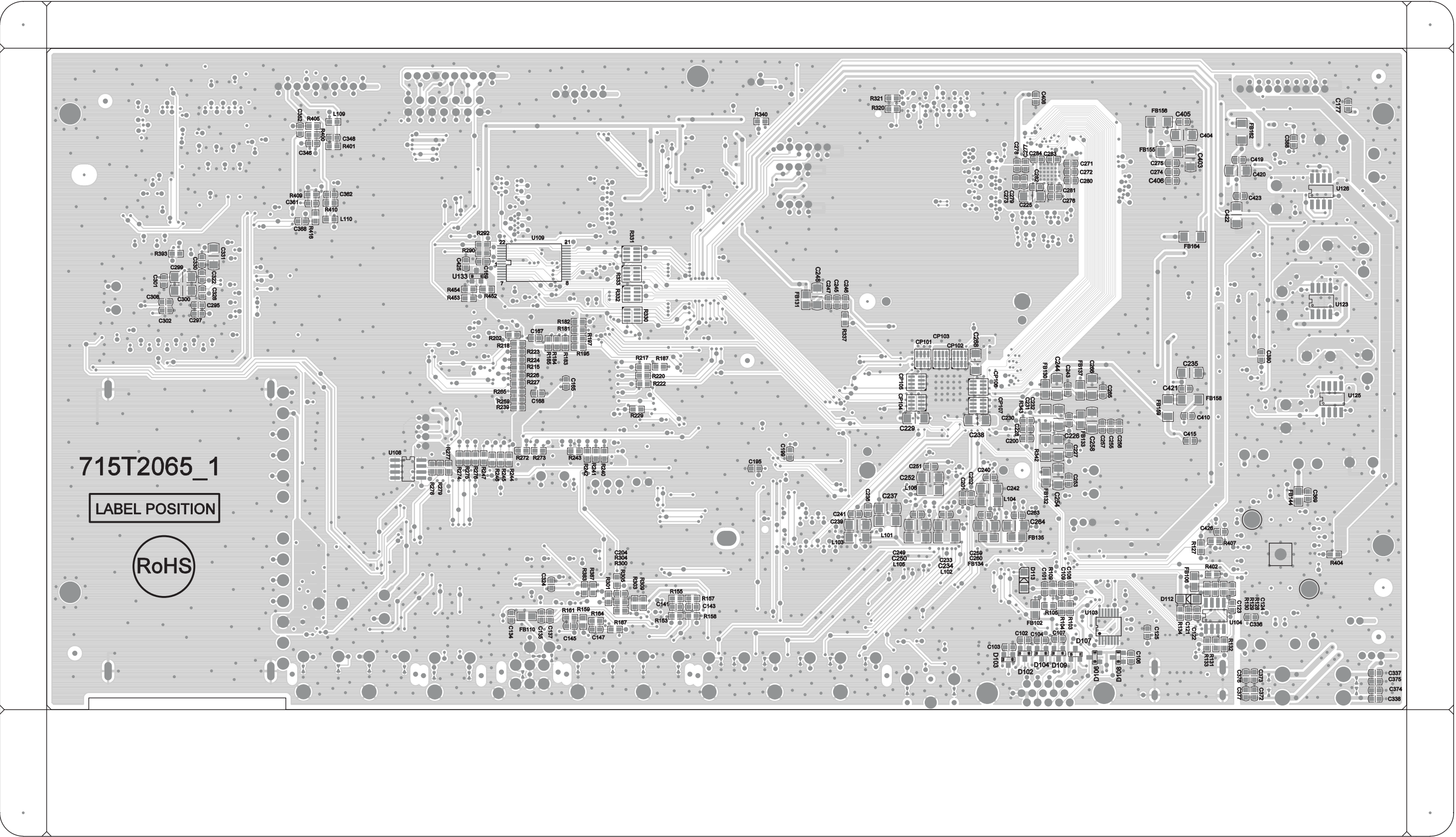


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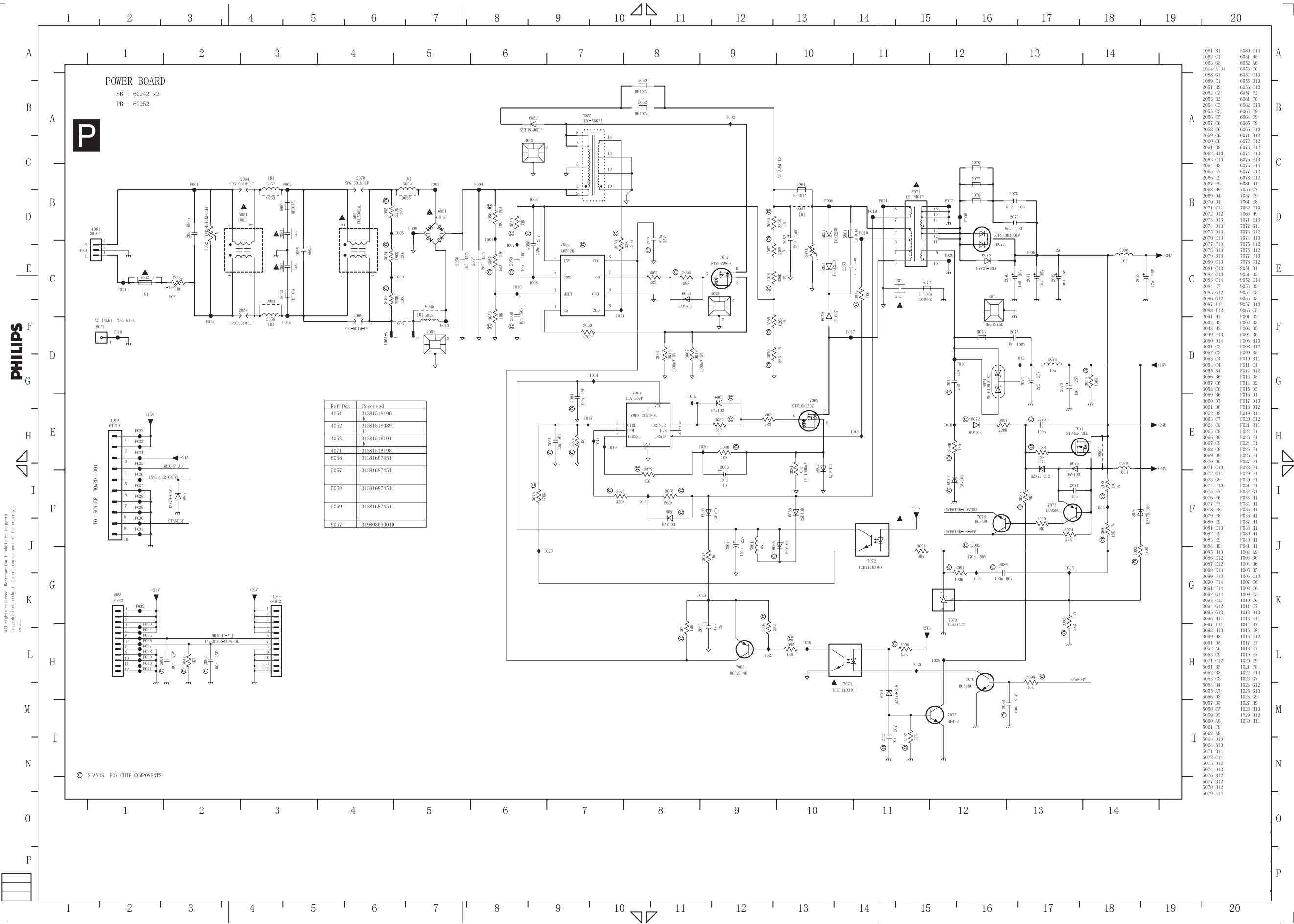


6.3.20 Scaler Board Layouts - 2

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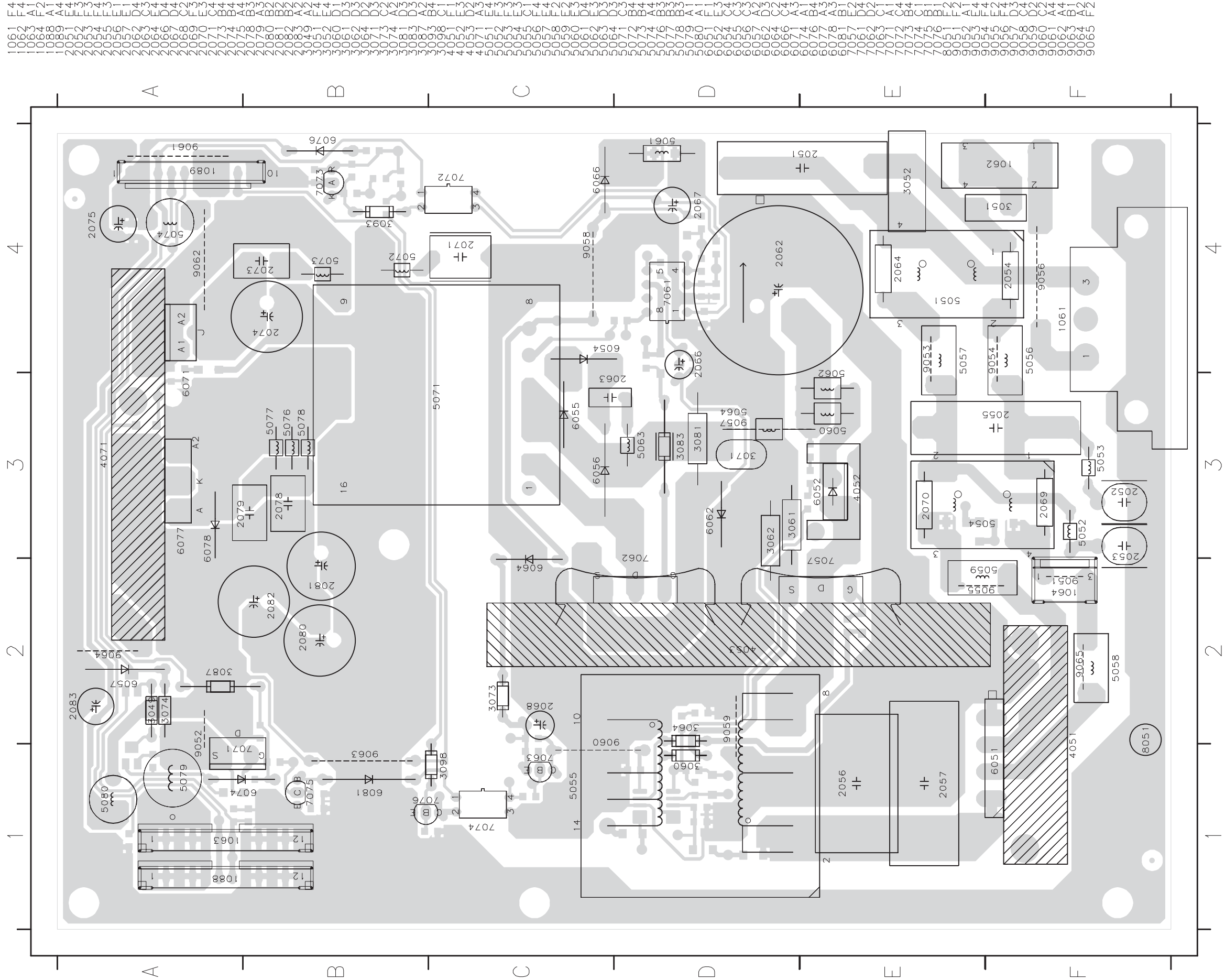


6.4 Power Board Schematic Diagram(37")



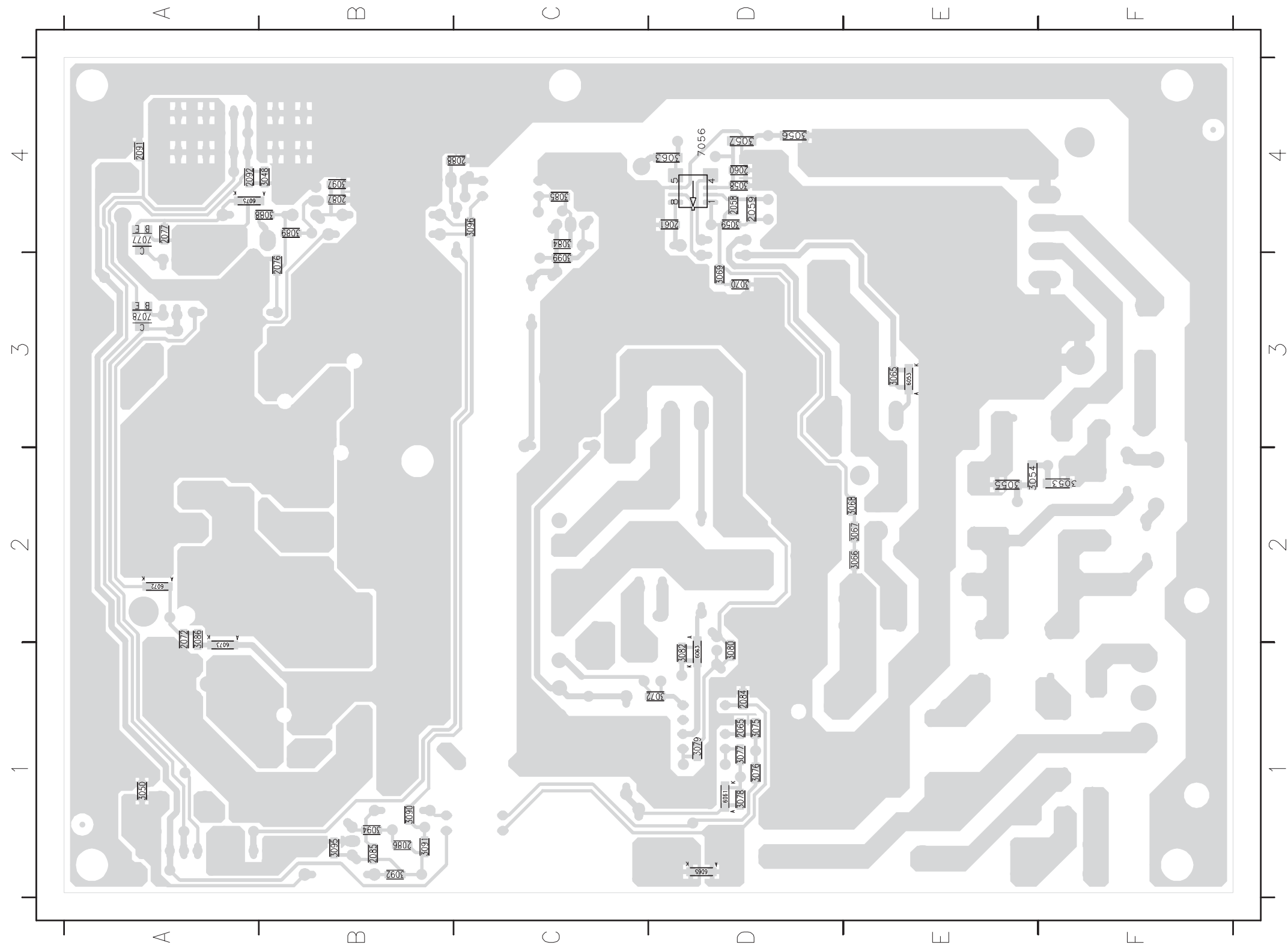
6.4 Power Board Layouts - 1(37")

P

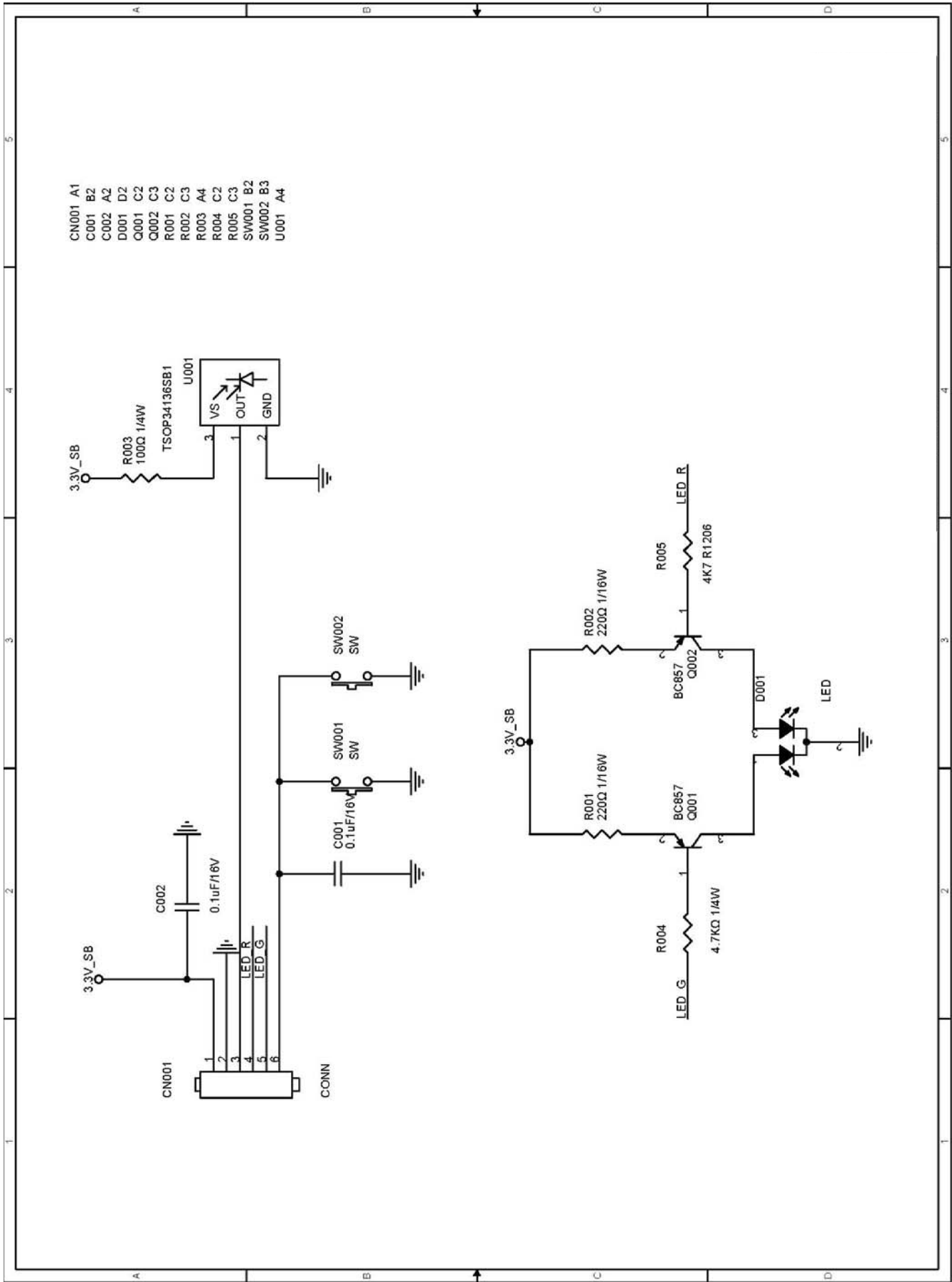


6.4 Power Board Layouts - 2(37")

P

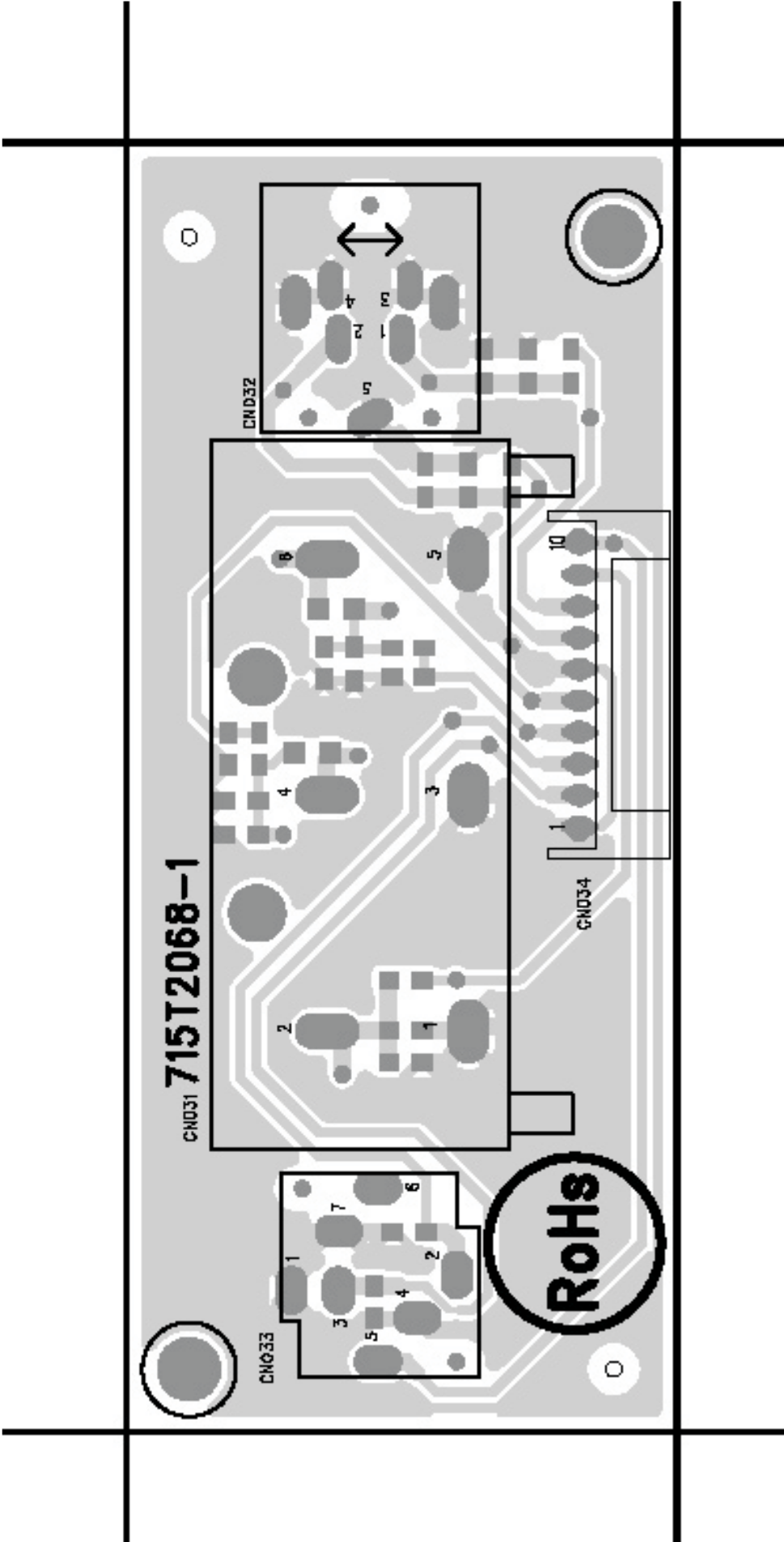
[illegible]

6.5 Side AV Board Schematic Diagram



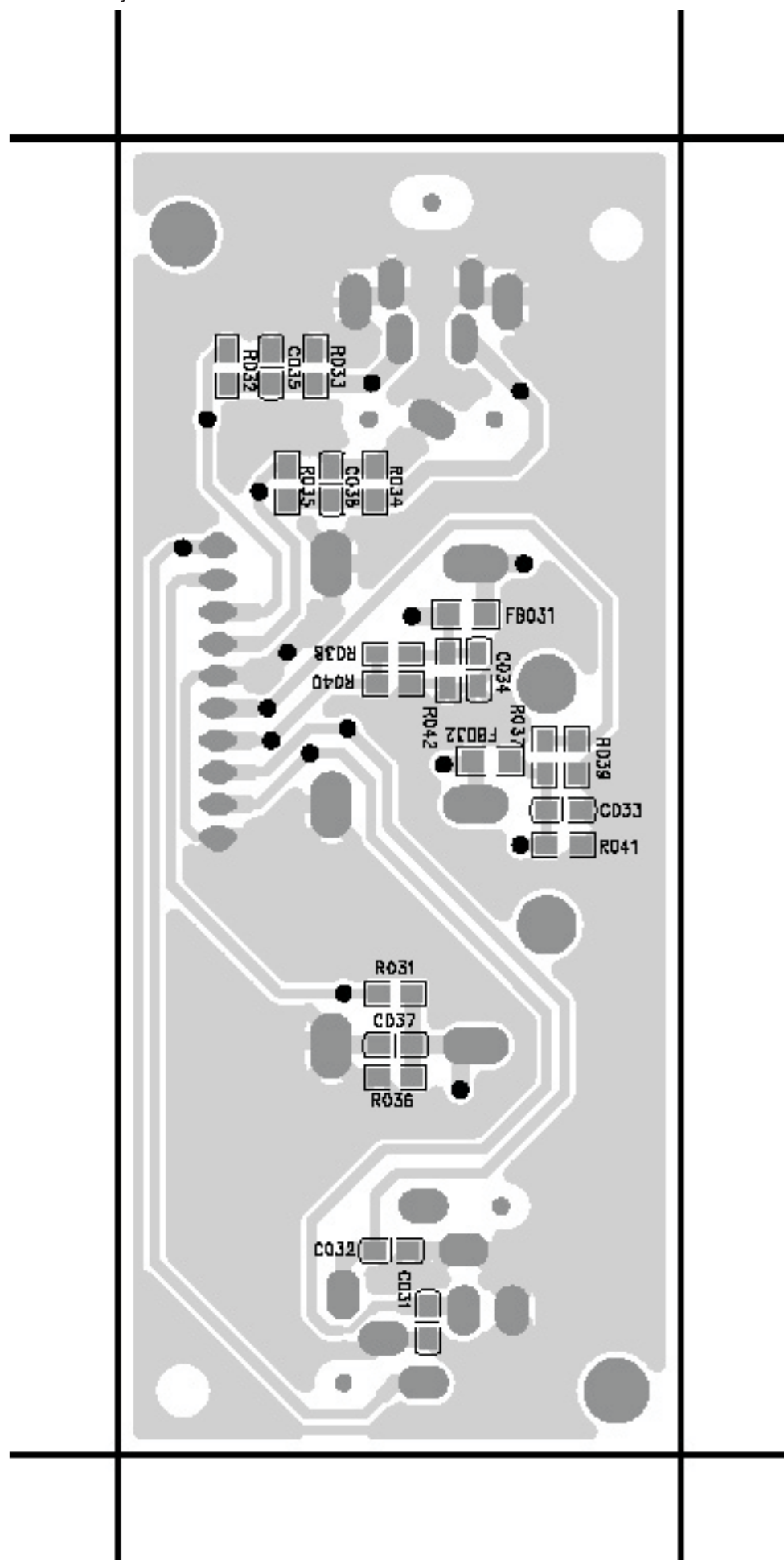
6.5 SIDE AV Board Layouts-1

A

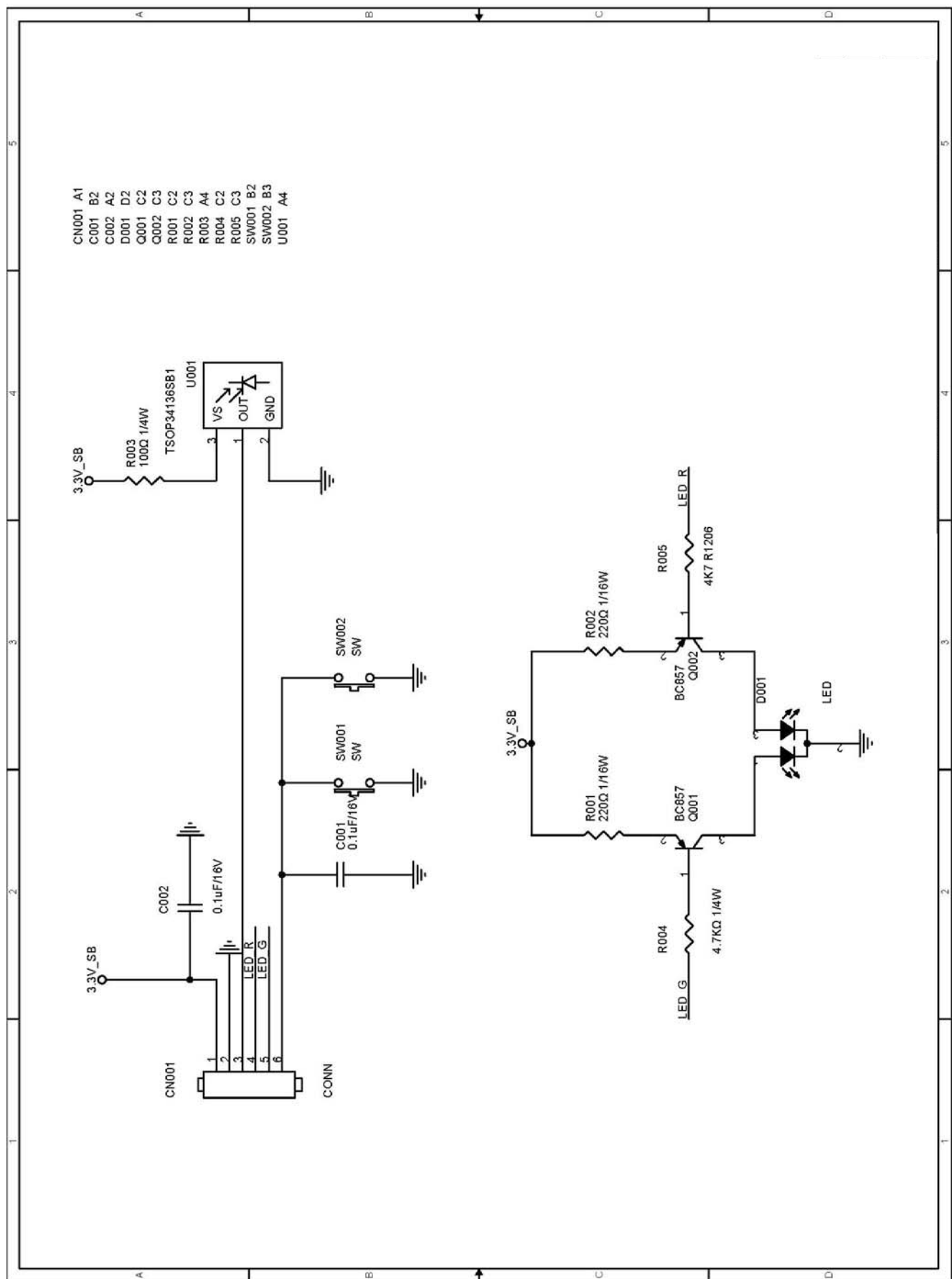


6.5 SIDE AV Board Layouts-2

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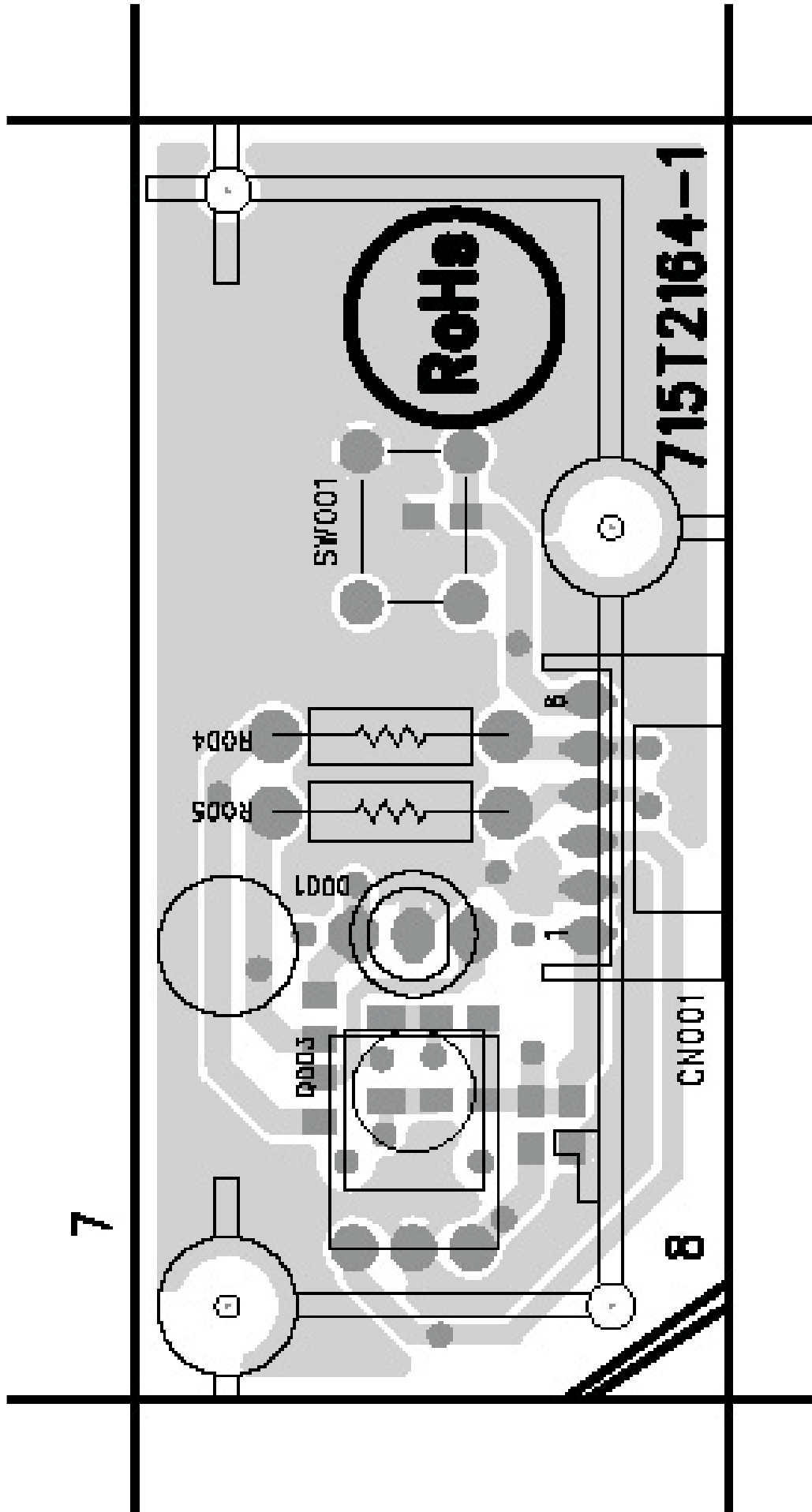


6.6 IR Board Schematic Diagram



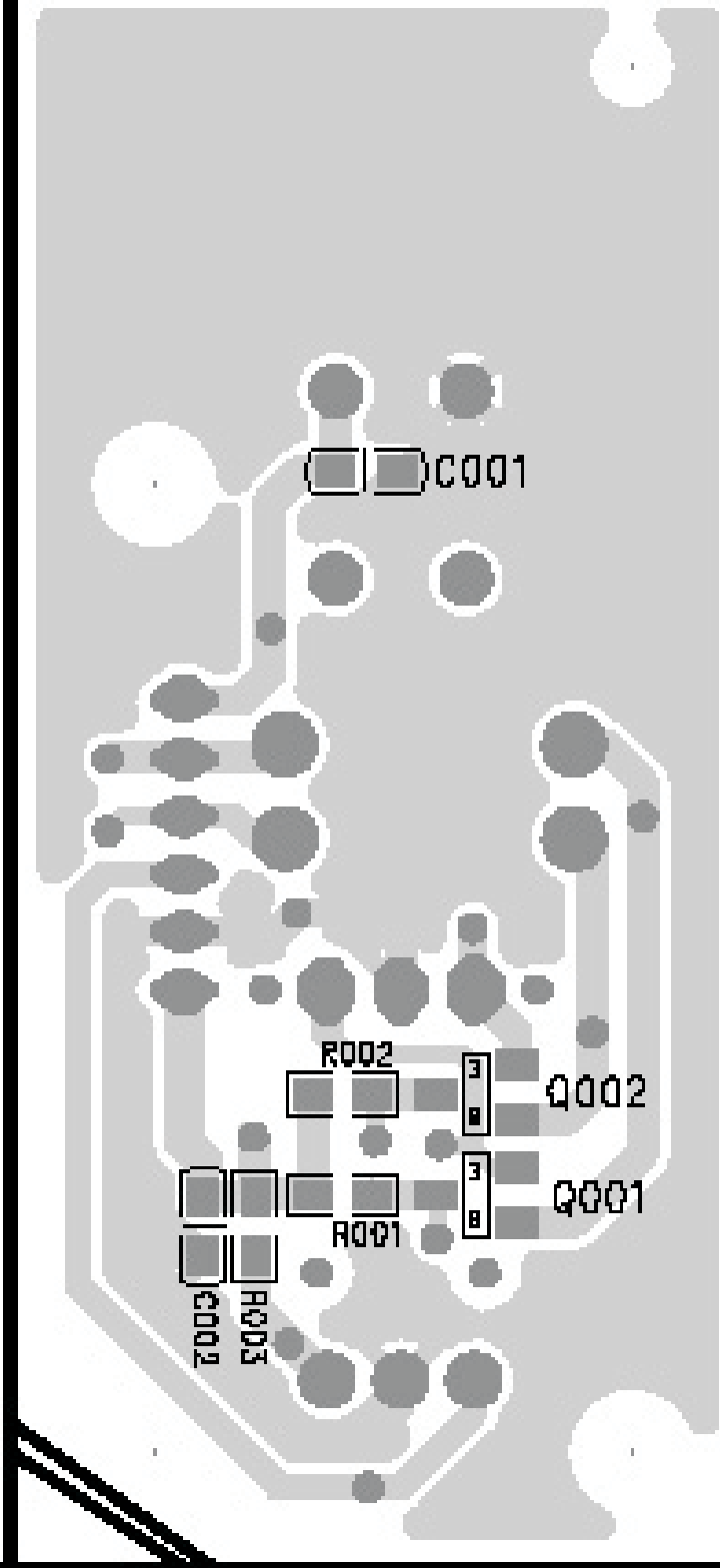
6.6 IR Board Layouts-1

I

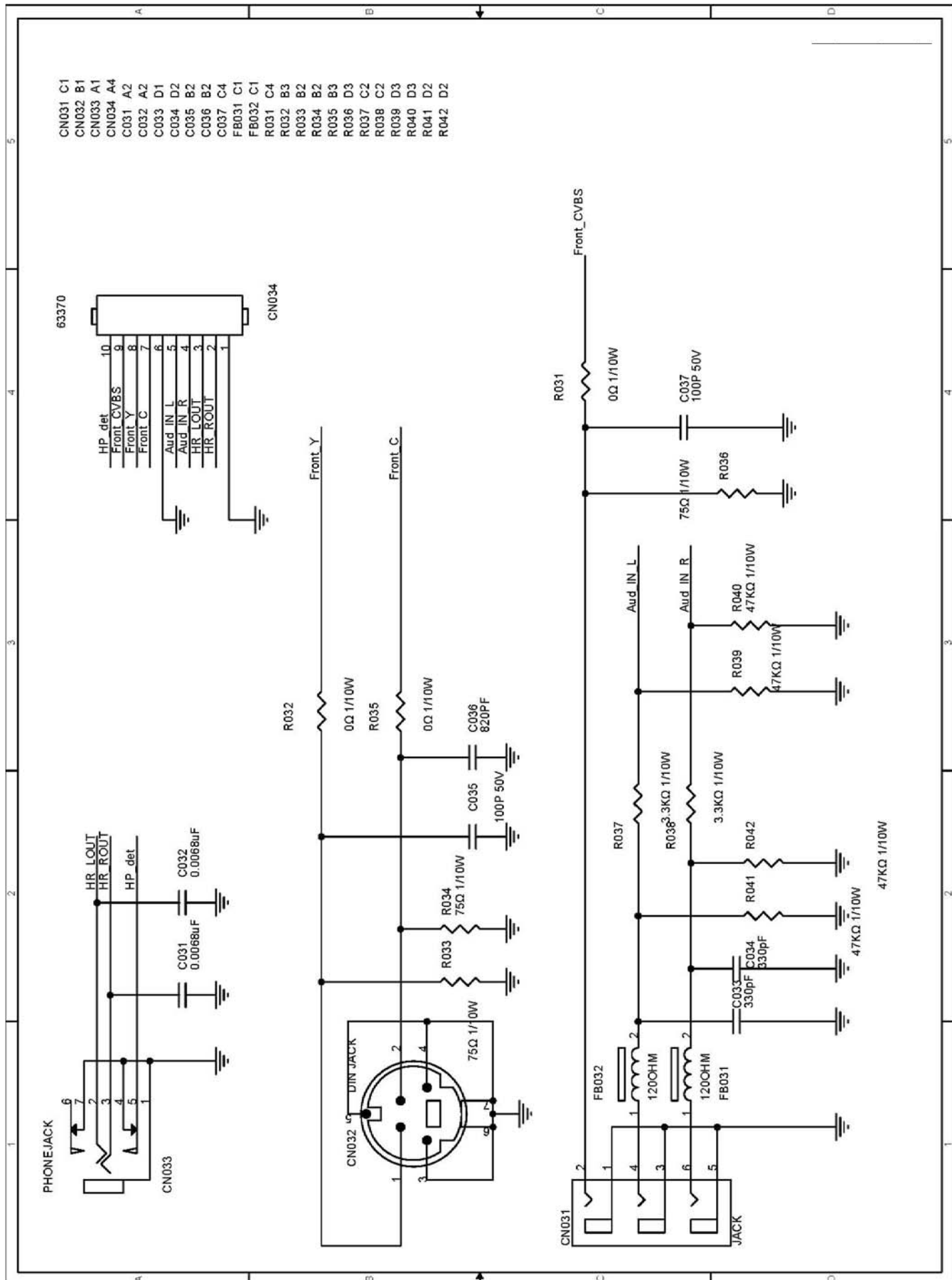


6.6 IR Board Layouts-2

I

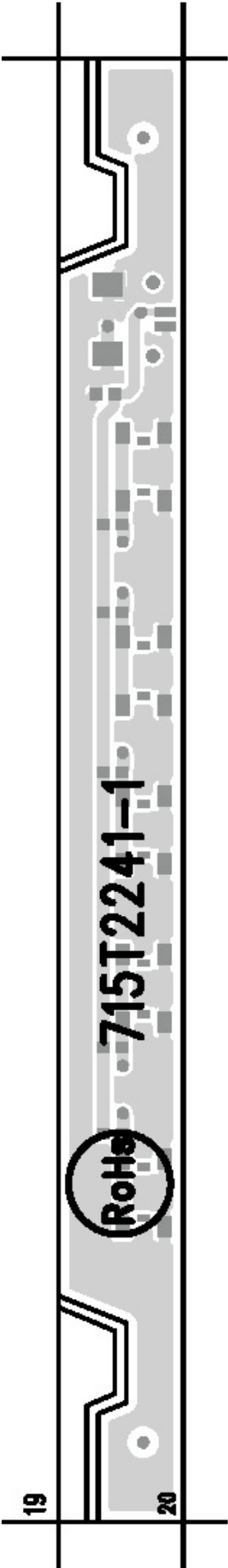


6.7 KEY Board Schematic Diagram



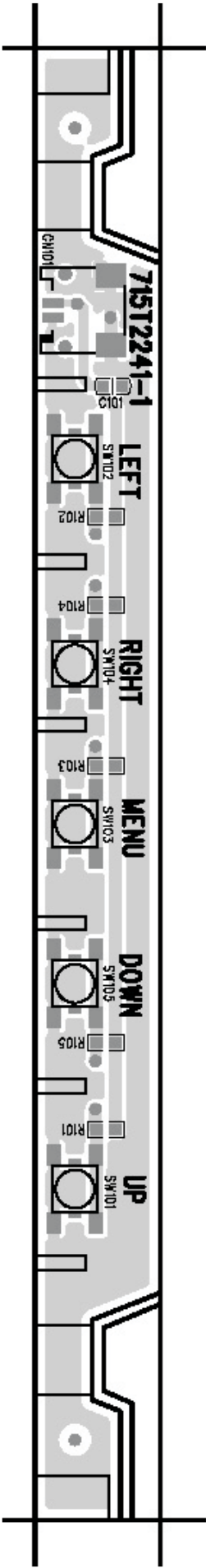
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6.7 KEY Board Layouts-2

K



7. Alignments

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7.1 Electrical Instructions&Serial NO. Definition

7.2 Software Upgrade With ISPWriter

7.1 Electrical Instructions&Serial NO. Definition

1. General points

- 1.1 During the test and measuring, supply a distortion free AC mains voltage to the apparatus via an isolated transformer with low internal resistance.
- 1.2 All measurements mentioned hereafter are carried out at a normal mains voltage (90 - 142 VAC for NAFTA version, 195 -264 VAC for EUROPEAN version, or 90 - 264 VAC for the model with full range power supply, unless otherwise stated.)
- 1.3 All voltages are to be measurement or applied with respect to ground,unless otherwise stated.
- 1.4 The test has to be done on a complete set including LCD panel in a room with temperature of 25 +/- 5 degree C.
- 1.5 All values mentioned in these test instruction are only applicable of a well aligned apparatus, with correct signal.
- 1.6 The letters symbols (B) and (S) placed behind the test instruction denotes
(B): carried out 100% inspection at assembly line
(S): carried out test by sampling
- 1.7 The white balance (color temperature), has to be tested in subdued lighted room.
- 1.8 Repetitive power on/off cycle are allowed except it should be avoided within 6 sec.

2. Input and output signal

2.1.1 PC mode signal type

- a.Analog Video:15 pin D-sub ,0.7 Vp-p linear, positive polarity& separate sync.(TTL level, positive or negative polarity)
- b.Audio signal : 3.5mm stereo mini-jack
Level: Nominal : 0.5 V rms.
- Maximum : 1.5 V rms.
- Impedance > 10 k Ω .
- c.Signal source: Pattern generator format as attachment table 1 to 12.

Reference generator : CHROMA 2200 or QuantumData 802R

2.1.2 TV mode signal type

- RF Signal : Aerial input / 10mV(typical: 80dBuV; range: 30-100dBuV)
- Video signal : CVBS input (RCA jack) / 1Vpp (300mV-sync, 700mV-video.) S video input / 1VppY-signal, +/-300mV C-signal
- SCART input: CVBS, S, SRGB signal (for WE model only) Comp video in(YPbPr input)/ 1Vpp Y signal, +/-350mV Pb,Pr signal
- HDMI:Digital interface with 4 channels TMDS signal
- CVBS output (RCA jack) / 1Vpp (300mV-sync, 700mV-video.)
- Audio signal : Audio (1) R/L for AV IN(AV and S-Video).
Level: - Nominal : 0.5 V rms.
- Maximum : 1.5 V rms.
- Impedance > 10 k Ω .
- Audio (2) R/L for SCART IN
Level: - Nominal : 0.5 V rms.
- Maximum : 1.5 V rms.
- Impedance > 10 k Ω .
- Audio (3) R/L for Comp Video IN.
Level: - Nominal : 0.5 V rms.
-Maximum : 1.5 V rms.
- Impedance > 10 k Ω .
- Audio (4) digital audio for HDMI Video IN.

2.1.3 PVR (CVBS) output:

Video: CVBS output 1Vpp / Impedance : 75 Ω .

Audio: R/L output (from CVBS)

Level: - Nominal : 0.5 V rms.

- Maximum : 1.5 V rms.

- Impedance < 1 k Ω .

2.1.4 Scart output: (for WE model only)

Video: CVBS output 1Vpp / Impedance : 75 Ω .

Audio: R/L output (from CVBS)

Level: - Nominal : 0.5 V rms.

- Maximum : 1.5 V rms.

- Impedance < 1 k Ω .

2.1.5 SPDIF output: Serial digital audio output when input is HDMI

2.1.6 Headphone

Audio: R/L output - 10mW at 32 Ω .

3.5mm stereo jack with switch

Impedance is between 8 and 600 Ω .

2.2 PC Input signal mode

2.2.1 PRESET VIDEO RESOLUTION

The analogue color LCD monitor must be capable of displaying standard resolutions within the vertical frequency range of 50 – 75 Hz, and horizontal scan range of 30 - 63 KHz .

Use the CHROMA-2250 or QuantumData 802R generator as the standard signal timing source.

Mode 3, 7, 8, 12, 15, 16 are preset modes that should pass QA inspection.

Mode 1, 2, 4, 5, 6, 9, 10, 11, 13, 14 will run auto adjustment only, and W/O QA checking.

Table 1. PC timing table

Mode	Resolution	H. freq. / V. freq	Standard
1.	640 x 350	31.469KHz/70.087Hz	VGA
2.	720 x 400	31.469KHz/70.087Hz	VGA
3.	640 x 480	31.469KHz/59.940Hz	VGA
4.	640 x 480	35.000KHz/66.667Hz	Macintosh
5.	640 x 480	37.861KHz/72.809Hz	VESA
6.	640 x 480	37.500KHz/75.000Hz	VESA
7.	800 x 600	35.156KHz/56.250Hz	VESA
8.	800 x 600	37.879KHz/60.317Hz	VESA
9.	800 x 600	48.077KHz/72.188Hz	VESA
10.	800 x 600	46.875KHz/75.000Hz	VESA
11.	832 x 624	49.700KHz/75.000Hz	Macintosh
12.	1024 x 768	48.363KHz/60.004Hz	VESA
13.	1024 x 768	56.476KHz/70.069Hz	VESA
14.	1024 x 768	60.023KHz/75.029Hz	VESA
15.	1280 x 720	44.772kHz/59.855 Hz	CVT
16.	1280 x 768	47.776kHz/59.87Hz	CVT

2.3 TV input signal Channel and pattern

2.3.1 TV Table 2. China model

Table 2. RF Signal Distribution Table (PAL)

S/N	CH	Frequency Carries		TV System	Pattern	Sound System		Remark	
		Video	Sound		Picture	System	Sound	SAP	
1	AU2	64.25 MHz	69.75 MHz	PAL B/G (7M)	Color Bar + Multiburst + Greyscale	Mono 5.5	Music		Attached Teletex Information
2	C8	184.25 MHz	190.75 MHz	PAL D/K (8M)	100% White	Mono 6.5			
3	AU10 (E12)	209.25 MHz	214.75 MHz	PAL B/G(7M)	Philips Circle	Mono 5.5	1 KHz		
4	S26	343.25 MHz	349.25 MHz	PAL I (8M)	100% White + Circle	Mono 6.0	Music		16 : 9
5	C13	471.25 MHz	477.75 MHz	PAL D/K (8M)	Color Bar + Greyscale	Mono 6.5	Sweep 20Hz ~ 20KHz		
6	I23	487.25 MHz	493.25 MHz	PAL I (8M)	Color Bar + Multiburst	Mono 6.0	Music		
7	C56	855.25 MHz	861.75 MHz	PAL D/K(8M)	Checkerboard	Mono 6.5	Music		

2.4 Comp video input mode

Comp video detail timing

(For Quantune Data setting with Q802G or 802R in YPbPr mode)

Table 3. Comp video timing table

Item	1920X1080i 60Hz	1280X720P 60Hz	1920X1080i 50Hz	1280X720P 50Hz
Pixel rate	74.25MHz (13.468 ns)	74.25MHz (13.468 ns)	74.25MHz (13.468ns)	74.25MHz (13.468 ns)
Horizontal Frequency	33.75KHz	45KHz	28.125KHz	37.5KHz
Active	1920 pixels(25.859 us)	1280 pixels(17.239 us)	1920 pixels (25.859 us)	1280 pixels (17.239 us)
Blank	280 pixels (3.771 us)	370 pixels (4.983 us)	720 pixels (9.697 us)	700 pixels (9.428 us)
Period	2200 pixels (29.630us)	1650 pixels (22.222 us)	2640 pixels (35.556us)	1980 pixels (26.667 us)
Pulse delay	88 pixels (1.186 us)	110 pixels (1.482 us)	528 pixels (7.111 us)	440 pixels (5.926 us)
Pulse width	44 pixels (0.593 us)	40 pixels (0.539 us)	44 pixels (0.593 us)	40 pixels (0.539 us)
Vertical Frequency	60 Hz	60 Hz	50 Hz	50 Hz
Active	1080 lines (42.000 ms)	720 lines (16.0 ms)	1080 lines (38.4 ms)	720 lines (19.2 ms)
Blank	45 lines (1.333 ms)	30 lines (0.667 ms)	45 lines (1.6 ms)	30 lines (0.8 ms)
Period	1125 lines (33.333ms)	750 lines (16.667 ms)	1125 lines (40 ms)	750 lines (20 ms)
Pulse delay	2 lines (0.059 ms)	5 lines (0.111 ms)	2 lines (0.071 ms)	5 lines (0.133 ms)
Pulse width	5 lines (0.148 ms)	5 lines (0.111 ms)	5 lines (0.178 ms)	5 lines (0.133 ms)
EQ before	0 line	0 line	0 line	0 line
EQ after	1 line	0 line	1 line	0 line
Scan	Interlace	Progressive	Interlace	Progressive
Sync type	ACS	ACS	ACS	ACS
Video kind	Analog YPbPr (ITU-R BT.709)	Analog YPbPr (ITU-R BT.709)	Analog YPbPr (ITU-R BT.709)	Analog YPbPr (ITU-R BT.709)

Item	720X576P 50Hz	720X480P 60Hz	720X576i 50Hz	720X480i 60Hz
Pixel rate	27 MHz (37.037 ns)	27.027MHz (37.000 ns)	13.5MHz (74.074 ns)	13.5MHz (74.074 ns)
Horizontal Frequency	31.25 KHz	31.5KHz	15.625KHz	15.734KHz
Active	720 pixels (26.667 us)	720 pixels (26.640 us)	720 pixels (53.333 us)	720 pixels (53.333 us)
Blank	144 pixels (5.333 us)	138 pixels (5.106 us)	144 pixels (10.667 us)	138 pixels (10.222 us)
Period	864 pixels (42.000 us)	858 pixels (31.746 us)	864 pixels (64.00 us)	858 pixels (63.556 us)
Pulse delay	12 pixels (0.444 us)	16 pixels (0.592 us)	12 pixels (0.889 us)	19 pixels (1.407 us)
Pulse width	64 pixels (2.370 us)	62 pixels (2.294 us)	64 pixels (4.741 us)	62 pixels (4.593 us)
Vertical Frequency	50 Hz	60 Hz	50 Hz	59.94 Hz
Active	576 lines (18.442 ms)	480 lines (15.238 ms)	576 lines (36.864 ms)	480 lines (30.507 ms)
Blank	49 lines (1.568 ms)	45 lines (1.429 ms)	49 lines (3.136 ms)	45 lines (2.860 ms)
Period	625 lines (20.000 ms)	525 lines (16.667 ms)	625 lines (40 ms)	525 lines (33.367 ms)
Pulse delay	5 lines (0.160 ms)	9 lines (0.287 ms)	2 lines (0.128 ms)	4 lines (0.254 ms)
Pulse width	5 lines (0.160 ms)	6 lines (0.190 ms)	3 lines (0.192 ms)	3 lines (0.191 ms)
EQ before	0 line	0 line	2 line	3 line
EQ after	0 line	0 line	2 line	3 line
Scan	Progressive	Progressive	Interlace	Interlace
Sync type	ACS	ACS	ACS	ACS
Video kind	Analog YPbPr (SMPTE RP177)	Analog YPbPr (SMPTE RP177)	Analog YPbPr (SMPTE RP177)	Analog YPbPr (SMPTE RP177)

2.5 HDMI input mode

1	1440x480i/59Hz, 60Hz, 1440x576i/50Hz
2	720x480p/59Hz, 60Hz, 720x576p/50Hz,
3	1440x480p/59Hz, 60Hz, 1440x576p/50Hz
4	1280X720p, 50Hz , 59Hz, 60Hz
5	1920X1080i, 50Hz, 59Hz, 60Hz

3. Power supply

- 3.1 Setup the AC I/P at 264 VAC and 90VAC , and power board provide two DC Output
1. The DC output voltage is $24V \pm 1V$ DC for Inverter and Scaler board Measured point between pin3(+24V) and pin6(GND) at item CN122 of scaler board
 2. The DC output voltage is $16V \pm 1V$ DC for Scaler and Audio board Measured point between pin1(+16V) and pin6(GND) at item CN122 of scaler board
- 3.2 Any adjustment is not needed.

4. TV Mode display adjust

4.1 White balance adjustment (B)

4.1.1 General set-up:

Equipment Requirements: Color analyzer.

Input requirements:

Input Signal Type: RF signal

Set to PAL D/K system, frequency=184.25MHz (for China model) with white pattern of 100%

Input Signal Strength : 10mV (80 dBuV) terminal voltage.

Input Injection Point : TV Tuner input

4.1.2 Color Temp Alignment (B)

Apply full white pattern, select smart setting to be PERSONAL.

Adjusting Normal SCALER GAIN RG B to reach W/D and luminance in factory mode

Adjust Normal R, G, B in factory OSD. The 1931 CIE chromaticity (X, Y) co-ordinates shall be:

Table 4. Reading with Minolta CA-110.

Picture Mode	x	y
Normal (Original)	0.283 ± 0.005	0.297 ± 0.005

Luminance > 400 cd/m² in the center of the screen when

Smart picture at contrast 100% and brightness 100%.

4.1.3 Set color temp is "WARM" or "COOL", their gains are as table 5.They should be saved in EEPROM by the auto-alignment station of factory.

Table 5. relationship between three kinds of color temp

	Normal	Warm	Cool
Scaler R Gain	R'	R'	R'-10
Scaler G Gain	G'	G'-5	G'-9
Scaler B Gain	B'	B'-20	B'

4.1.4 This group setting about color temp is also applied in TV/ Comp1 video 1/Comp video 2 /S-video 1/ S-video 2/ AV1/AV2/PC. It means that TV/AV1/AV2/S-video 1/ S-video 2/ Comp1 video 1/Comp video 2 /PC use one same setting.

5. PC mode Display Adjustment

5.1 WHITE-D adjustment (B)

5.1.1 At factory mode apply 1024X768 @60Hz mode with TVBAR100

pattern in QuantumData 802R/ 802G/802BT as figure 1. . Set smart picture at "Normal" , and set Brightness and contrast to be 50%.

Activate AUTO-COLOR function for auto ADC offset and gain setup.



Figure 1. TVBAR100

5.1.2 Apply full white pattern , check picture must satisfy table 6. Table 6. Reading with Minolta CA-210.

Picture Mode	x	y
Normal (Original)	0.283 ± 0.015	0.297 ± 0.015

Luminance> 400 cd/m² in the center of the screen when both PC Brightness and Contrast control are 100%.

5.2 Display quality adjustment

Use timing mode as described in 2.2, and uses the POPO (pixel on pixel off) pattern to adjust the clock until no stripe and adjust the phase until clear picture.(AUTO ADJUST hot key: press Volume - and Volume + keys together for 1 second.) Check all preset 6 modes.

- 5.3 Check the analog interface cable
Check the color poor & noise condition of 64 gray scale pattern.

6. Comp video Mode display adjust

6.1 White balance adjustment (B)

General set-up:

Equipment: Quantum Data Pattern Generator 801GD or 802G or 802R;
Apply 1080i/50Hz, and the pattern TVBAR100 is shown in figure 1.

Alignment method:

Initial Set-up: Set Smart picture as "Personal" (Brightness=50, Color=50, Contrast=50); Access to factory OSD first, then to enable AUTO-COLOR to get HD ADC OFFSET and HD ADC GAIN. Check 64 gray scales can be distinguishable.

- 6.2 Color Temp Alignments : Check chromaticity (X, Y) co-ordinates specification as table 6. Luminance > 400 cd/m² in the center of the screen in RICH mode.

7. HDMI mode display adjustment

7.1 Preset HDMI HDCP key

7.1.1 Download HDCP Key

The 284 bytes HDCP key has been programmed in PX66.

7.1.2 HDMI Video HDCP Key Test

(1) Use pattern generator

Equipment: Quantum 802R or 802BT or equivalent equipments.

Pattern: Standard HdcpProd Pattern (It's color bar)

Timin: As section 2.5.

Result : The PASS information should be shown on the screen.

(2) Use DVD Player:

Equipment: 1.Pioneer (model: DV-S969AVi) or equivalent equipments.

2.DVD disk with "Macro Vision "protection.

Result : The picture should be shown Normally.

8. Preset EEPROM data

8.1 Factory OSD

"062596" => **MENU** key to enter factory OSD. (or VOL+ **+** CH+ in keypad)

↑, ↓: Move and change value

→ : selected

Press **MENU** or → : key to activate OK, SAVE, and EXIT.

```

EXIT
COLOR TEMP NORMAL (WARM, COOL)
GAIN          R ?  G ?  B ?

AUTO COLOR    OK
ADC GAIN      R ?  G ?  B ?
ADC OFFSET    R ?  G ?  B ?

SAVE
  
```

8.2 Smart picture setting and is as below.

TV

RF	PERSONAL	RICH	NATURAL	SOFT	MULTIMEDIA
Contrast	50	65	55	40	80
Brightness	50	55	50	55	40
Color	50	65	55	43	65
Sharpness	30	30	30	20	40

AV1/AV2

CVBS	PERSONAL	RICH	NATURAL	SOFT	MULTIMEDIA
Contrast	50	70	60	40	80
Brightness	50	40	45	50	35
Color	50	65	60	50	75
Sharpness	30	45	30	20	40

S-video 1 / S-video side

S	PERSONAL	RICH	NATURAL	SOFT	MULTIMEDIA
Contrast	50	70	60	40	80
Brightness	50	45	48	50	40
Color	50	65	60	50	75
Sharpness	30	45	30	20	40

Comp video 1 / Comp video 2 (480i / 576i)

Comp video	PERSONAL	RICH	NATURAL	SOFT	MULTIMEDIA
Contrast	50	60	55	50	70
Brightness	50	55	60	60	50
Color	50	58	55	40	65
Sharpness	30	50	40	20	50

Comp video 1 / Comp video 2

Comp video	PERSONAL	RICH	NATURAL	SOFT	MULTIMEDIA
Contrast	50	60	55	40	70
Brightness	50	35	40	40	30
Color	50	60	55	40	65
Sharpness	30	50	40	20	50

HDMI

HDMI	PERSONAL	RICH	NATURAL	SOFT	MULTIMEDIA
Contrast	50	65	55	40	70
Brightness	50	28	30	40	25
Color	50	75	65	50	80
Sharpness	30	50	40	20	50

Smart Sound personal setting is as below.

Smart sound		OSD
PERSONAL	TREBLE	50
	BASS	50
	BALANCE	0
speech	TREBLE	33
	BASS	33
	BALANCE	0
MUSIC	TREBLE	54
	BASS	58
	BALANCE	0
movie	TREBLE	50
	BASS	67
	BALANCE	0
multimedia	TREBLE	58
	BASS	67
	BALANCE	0

8.3 Factory settings:

The user OSD should have the following factory default values after pushing reset to factory. And personal smart setting will return to default.

PC Mode :

Picture

Color temp : Normal
Brightness : 50
Contrast : 50

Sound

Smart Sound : **Movie**
Incredible Surround : Off

Features

Picture format : Full Screen
PIP

Size : Off
Input : TV
Position : 1
Sound : PC

TV Mode :

Picture

Smart Picture : Rich
Color temp : Cool
Picture format : Widescreen

Sound

Smart Sound : **Movie**
Incredible Surround : Off

Feature

NR : Off (only TV : ON)
Volume : 20

Default for out of factory (except reset to factory setting) :

Source : TV(Channel 2)
Language : 中文(Chinese)

Serial NO. Definition

SERIAL NUMBER BZ2A0621000001



Code 39 : BZ2A0621000001

Serial number (6 digits)
Production year/week code
Service version change code
BOM (bill of Material) code
Sit code (Production center) according
BZ CODE (AR---CZECH REPUBLIC,
VN--HUNGARY(SZR), BZ--SUZHOU,
DS--DONG GUAN)

BOM Code:

PANEL SUPPLIER	CODE
AU	1
CPT	2
LPL(LG)	3
QDI	4

7.2 Software Upgrade With ISPWriter

A. Install

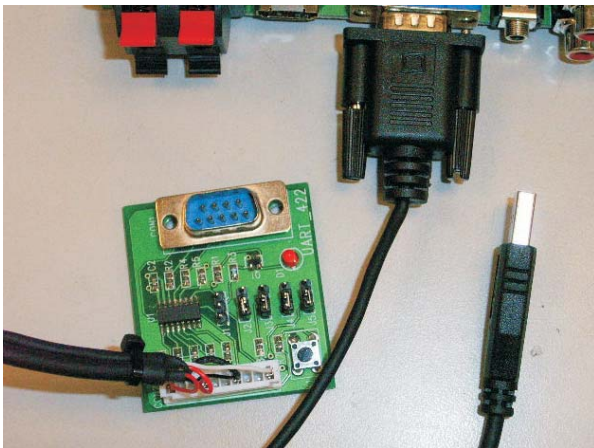
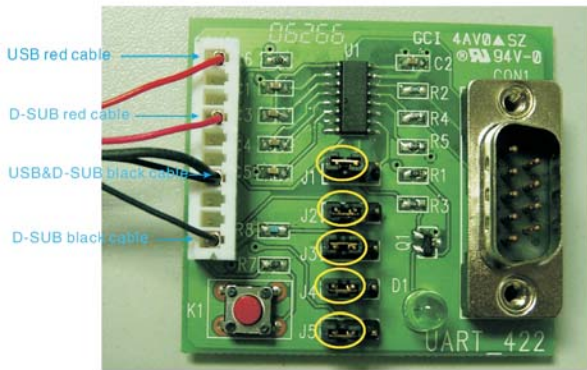
1. Run SETUP.exe in ISPWriter2 folder
2. Copy all files in ISP3Writer3 folder to ..\Program Files\Trident\ISPWriter2

B. Use.

3 Step

3.1 Trident tool(3138 106 10549)

Connect the PC with the UART_422 board by the RS232 cable and connect UART_422 board "con2" to system board D_sub port. And plug USB cable to PC.



3.2 P_Harmony tool (12nc=3138 106 10198)

Connect the PC with P_Harmony tool by the RS232 cable and connect P_Harmony tool to system board D_Sub port. P_Harmony tool power on. Yellow and Red led ON



4. Run ISPWriter3.exe, you will see the below window (Diagram 1).

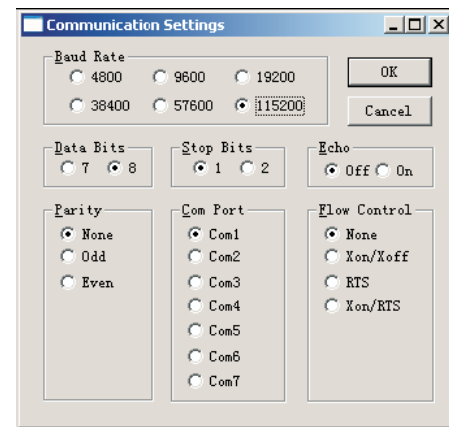
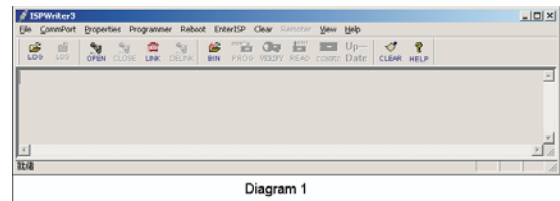


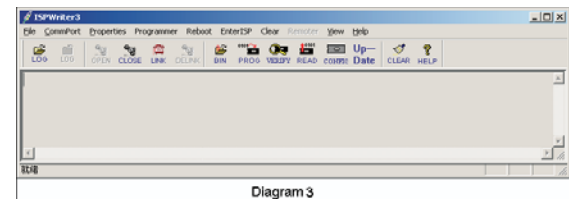
Diagram 2

Press the **OPEN** button to open the COM port of the PC. The COM port parameter can be set in Communication Settings Dialog (Diagram 2).

By **CommPort->Setting**, the Communication Settings Dialog can be opened, if the COM is not opened.

5. Press the **BIN** button to select the bin file which will be programmed into the flash.

The toolbar will be changed as Diagram 3.



5.1. (Configure)

Press the **CONFIG** button to open the Config Dialog (Diagram 4), in this dialog, please select the correct **CPU—Maker—Chip** and input or select the correct **StartAddress**.

These information will be saved into the ISPWriter3.ini file. You can directly edit the ISPWriter3.ini file by editing tool.

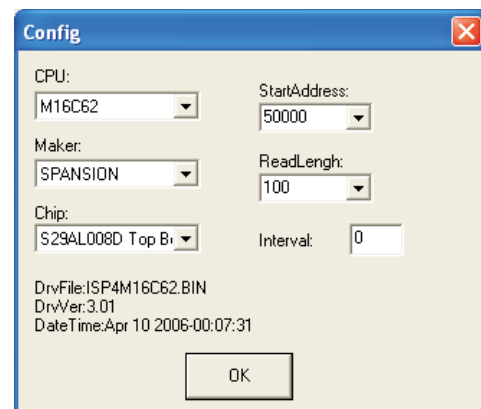


Diagram 4

6. Enter the ISP mode

You will see some information in the textbox when CPU enters the ISP mode.

Just like below:

PH_ISP_VER003, Please use ISPWriter3 !!!

ISPWriter3:

UART:115200,n,8,1

Version: 3.01

BuildTime:Apr 19 2006-11:10:51

6.1.

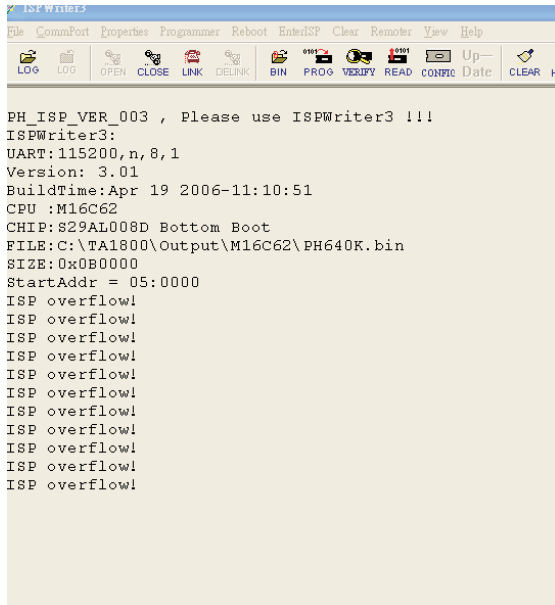
CPU enters ISP mode by hardware way, if PC software (ISPWriter3.exe) does not send any data during 30 seconds, the CPU will leave ISP mode and go on to continue normal boot operation (To run TV application).

6.2

When the system power-on, if the "Power" key on keypad is pressed and be keep for 3 seconds, the CPU will enter ISP mode and send information by UART.

7. Program

Press the **PROG** button to start the programming.



The screenshot shows the ISPWriter3 application window. The menu bar includes File, CommPort, Properties, Programmer, Reboot, EnterISP, Clear, Remoter, View, and Help. The toolbar contains icons for LOG, OPEN, CLOSE, LINK, DELINK, BIN, PROG, VERIFY, READ, CONFIG, Date, and CLEAR. The main text area displays the following log output:

```
PH_ISP_VER_003 , Please use ISPWriter3 !!!  
ISPWriter3:  
UART:115200,n,8,1  
Version: 3.01  
BuildTime:Apr 19 2006-11:10:51  
CPU :M16C62  
CHIP:S29AL008D Bottom Boot  
FILE:C:\TA1800\Output\M16C62\PH640K.bin  
SIZE:0x0B0000  
StartAddr = 05:0000  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!  
ISP overflow!
```

8. Reboot

After finish the programming, AC power OFF → ON can reboot the system.

8. Circuit Descriptions and IC Data Sheets

Index of this chapter
 8.1 Trouble shooting
 8.2 Circuit Description
 8.3 IC Data Sheets
 8.4 Repair Flow Chart

8.1 Trouble Shooting

Symptoms	Items to Check and Actions to follow
No power	<ul style="list-style-type: none"> • Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
	<ul style="list-style-type: none"> • Check that the outlet is not on a wall switch. • Be sure the fuse is not blown on the AC power strip, if one is being used.
No picture	<ul style="list-style-type: none"> • Check antenna/cable connections. Are they properly secured to the TV's ANT75. plug? • Try running the Auto Store feature to find all available channels. • Press the AV button on the remote to make sure the correct signal source is selected. • If using an accessory device, be sure that it is functioning properly. • If in PC Mode, a video signal MUST BE present or the TV will turn off.
No Sound	<ul style="list-style-type: none"> • Check the VOLUME buttons. • Check the MUTE button on the remote control. • If you're attempting to hook up auxiliary equipment, check the audio jack connections.
No AV Signal	<ul style="list-style-type: none"> • Check whether AV and S-Video sockets connected simultaneously.
S-VHS Color Becomes Faint	<ul style="list-style-type: none"> • Unplug socket for S-Video connection. Reconnect the S-Video socket of the TV carefully to the VCR socket.
TV Only Produces MONO Sound	<ul style="list-style-type: none"> • If using a cable box with RF only type connections, the signal coming from the cable box will be produced in MONO only. • Check Sound control setting. Change setting to Stereo.
Remote Does Not Work	<ul style="list-style-type: none"> • Check the batteries. Place lithium cell in the remote. Be sure the (+) and (-) ends of the batteries line up as marked inside the battery compartment. • Clean the remote control and the remote control sensor window on the TV. • Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again. • Be sure the fuse is not blown on the AC power strip, if one is being used. • Check to be sure the TV outlet is not on a wall switch. • Be sure that the remote is in the correct operating mode. • Be sure the remote is pointed at the Remote Sensor Window on the TV. See page 2 of the Quick Use Guide for details.
TV Displays Wrong Channel or No Channels color or no picture	<ul style="list-style-type: none"> • Repeat channel selection. • Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory. • Run the Auto Store feature to find all available channels.

8.2 Circuit Description

Description of Scaler board

There are video processing and some audio function in scaler board. The 37/42TA1800 uses Trident SVP-PX66 as Scaler engine, which has embedded Analog D-SUB, digital HDMI receiver, scaling input signal to panel OSD mapping and simple 3D de-interlacer. The extra DDR is to accomplish video frame rate conversion and to provide OSD and de-interlacer with enough memory.

The external CPU (M30620SPGP) can provide control signals such as backlight control, RC (Remote Control), detect keypad input, IIC I/O communication, TV tuning control, sound control and power control.

Embedded Video decoder is used to execute all video signal processing except HDTV. HDTV is go through embedded ADC converter. 3D comb and 3D de-interlacer are included in scaler. Scaler can decode CC, TT, V-chip data to display.

In west Europe and AP model, Tele-text (TT) function is necessary, but China Model is no need. In NAFTA model Close-Caption (CC) function is necessary.

One audio decoder MSP34XXG is used for TV sound processing, and output to TPA3800D2. Post D-class amplifier is in scaler board.

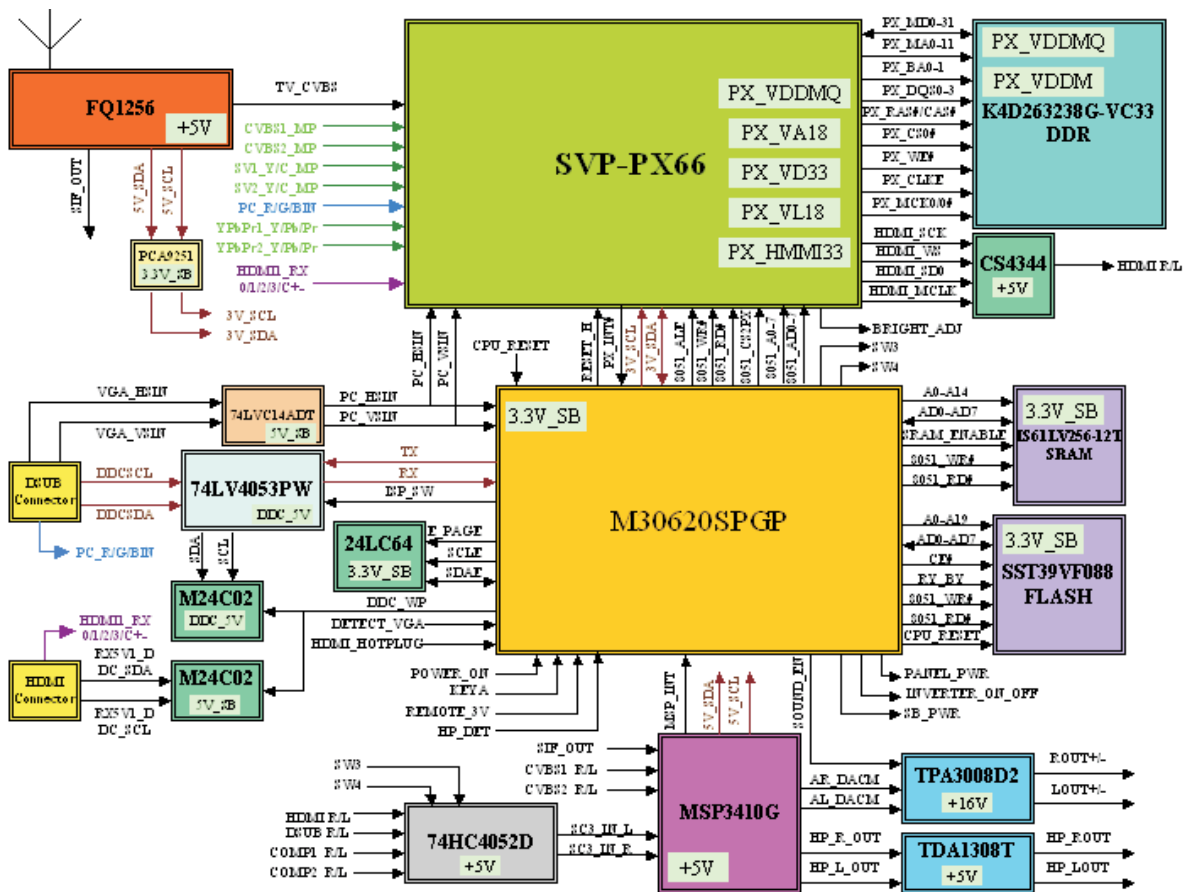


Fig 1 37/42TA1800 block diagram

Description of TV system

A TV tuner with remote control will be mandatory for AP, China, West Europe and NAFTA production models.

Tuner and sound decoder deviation:

	WE	NAFTA	AP	China
Tuner	FQ1216ME/I H-5	FQ1236/F H-5	FQ1216PN/I H-5	FQ1256/I H-5
	94TPASEALL 3P	94TNTSC MA 1P	94TNPALALL P1	94T PALBDI 1P
MSP	MSP3450G-QI-B8V3	MSP3440G-QI-B8V3	MSP3410G-QI-B8V3	MSP3410G-QI-B8V3
	56G 593504	56G 593 7	56G 593901	56G 593901

8.3 IC Data Sheets

8.3.1 IC Data Sheets-CS4344(U111)

Features

- ◆ Multi-bit Delta-Sigma Modulator
- ◆ 24-bit Conversion
- ◆ Automatically Detects Sample Rates up to 192 kHz.
- ◆ 105 dB Dynamic Range
- ◆ -90 dB THD+N
- ◆ Low Clock-Jitter Sensitivity
- ◆ Single +3.3 V or +5 V Power Supply
- ◆ Filtered Line-Level Outputs
- ◆ On-chip Digital De-emphasis
- ◆ Popguard™ Technology
- ◆ Small 10-pin TSSOP Package

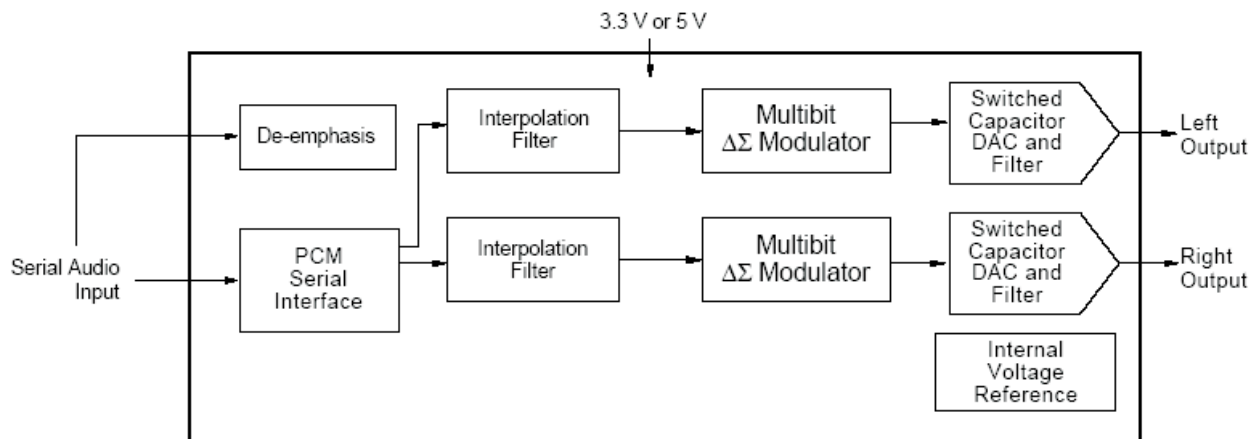
Description

The CS4344 family members are complete, stereo digital-to-analog output systems including interpolation, multi-bit D/A conversion and output analog filtering in a 10-pin package. The CS4344/5/6/8 support all major audio data interface formats, and the individual devices differ only in the supported interface format.

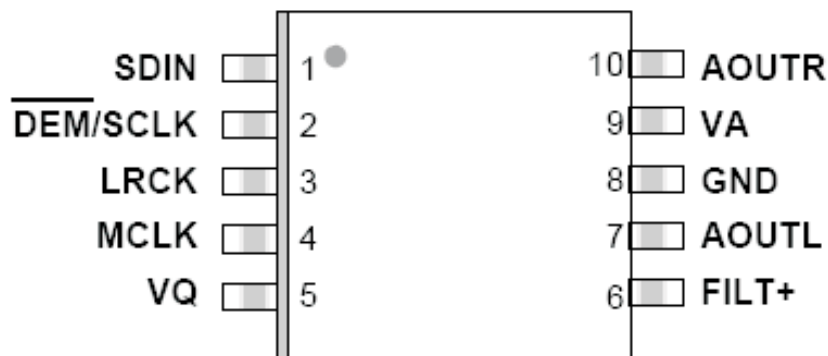
The CS4344 family is based on a fourth order multi-bit delta-sigma modulator with a linear analog low-pass filter. This family also includes auto-speed mode detection using both sample rate and master clock ratio as a method of auto-selecting sampling rates between 2 kHz and 200 kHz.

The CS4344 family contains on-chip digital de-emphasis, operates from a single +3.3 V or +5 V power supply, and requires minimal support circuitry. These features are ideal for DVD players & recorders, digital televisions, home theater and set top box products, and automotive audio systems.

The CS4344 family is available in a 10-pin TSSOP package in both Commercial (-10 to +85 °C) and Automotive grades (-40 to +85 °C). Please see [Section 8. "Ordering Information" on page 23](#) for complete details.

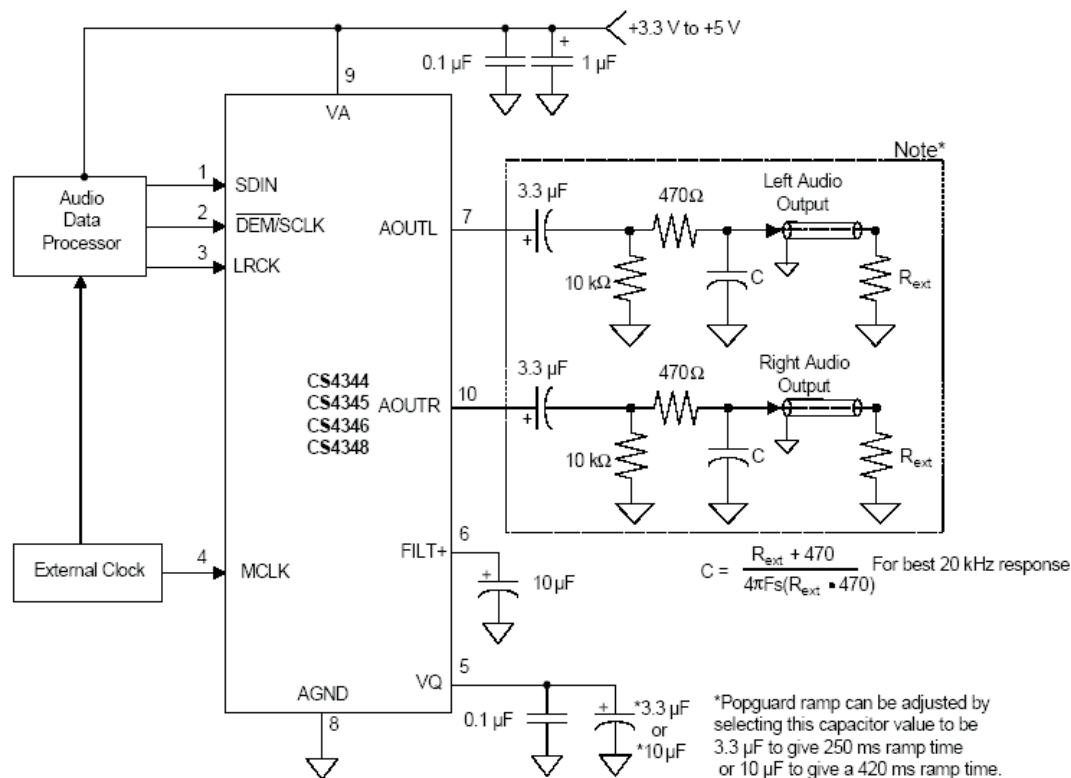


PIN DESCRIPTIONS



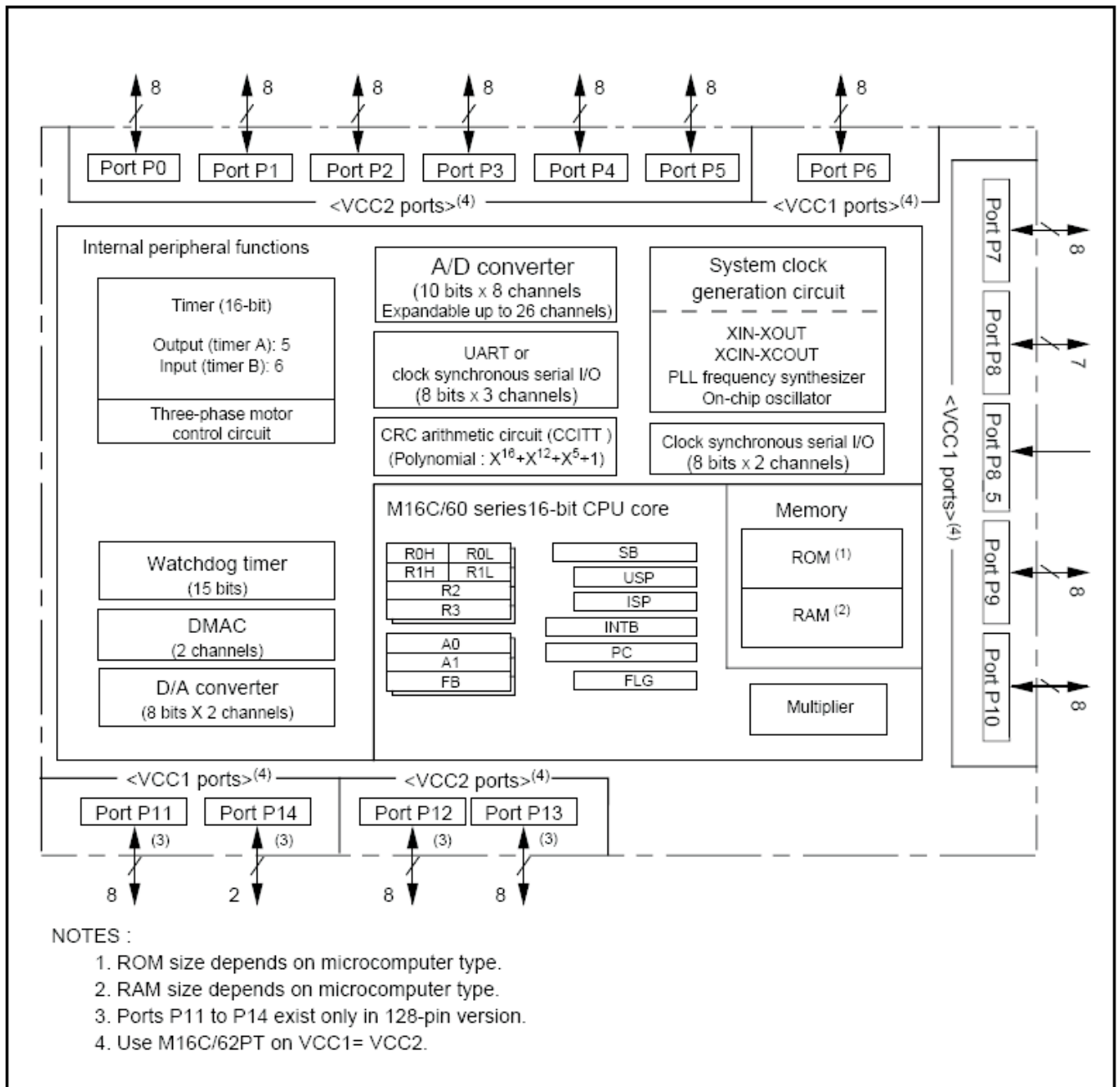
Pin Name	#	Pin Description
SDIN	1	Serial Audio Data Input (Input) - Input for two's complement serial audio data.
$\overline{\text{DEM/SCLK}}$	2	De-Emphasis/External Serial Clock Input (Input) - used for de-emphasis filter control or external serial clock input.
LRCK	3	Left Right Clock (Input) - Determines which channel, Left or Right, is currently active on the serial audio data line.
MCLK	4	Master Clock (Input) - Clock source for the delta-sigma modulator and digital filters.
VQ	5	Quiescent Voltage (Output) - Filter connection for internal quiescent voltage.
FILT+	6	Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits.
AOUTL	7	Left Channel Analog Output (Output) - The full scale analog output level is specified in the Analog Characteristics specification table.
GND	8	Ground (Input) - ground reference.
VA	9	Analog Power (Input) - Positive power for the analog and digital sections.
AOUTR	10	Right Channel Analog Output (Output) - The full scale analog output level is specified in the Analog Characteristics specification table.

TYPICAL CONNECTION DIAGRAM

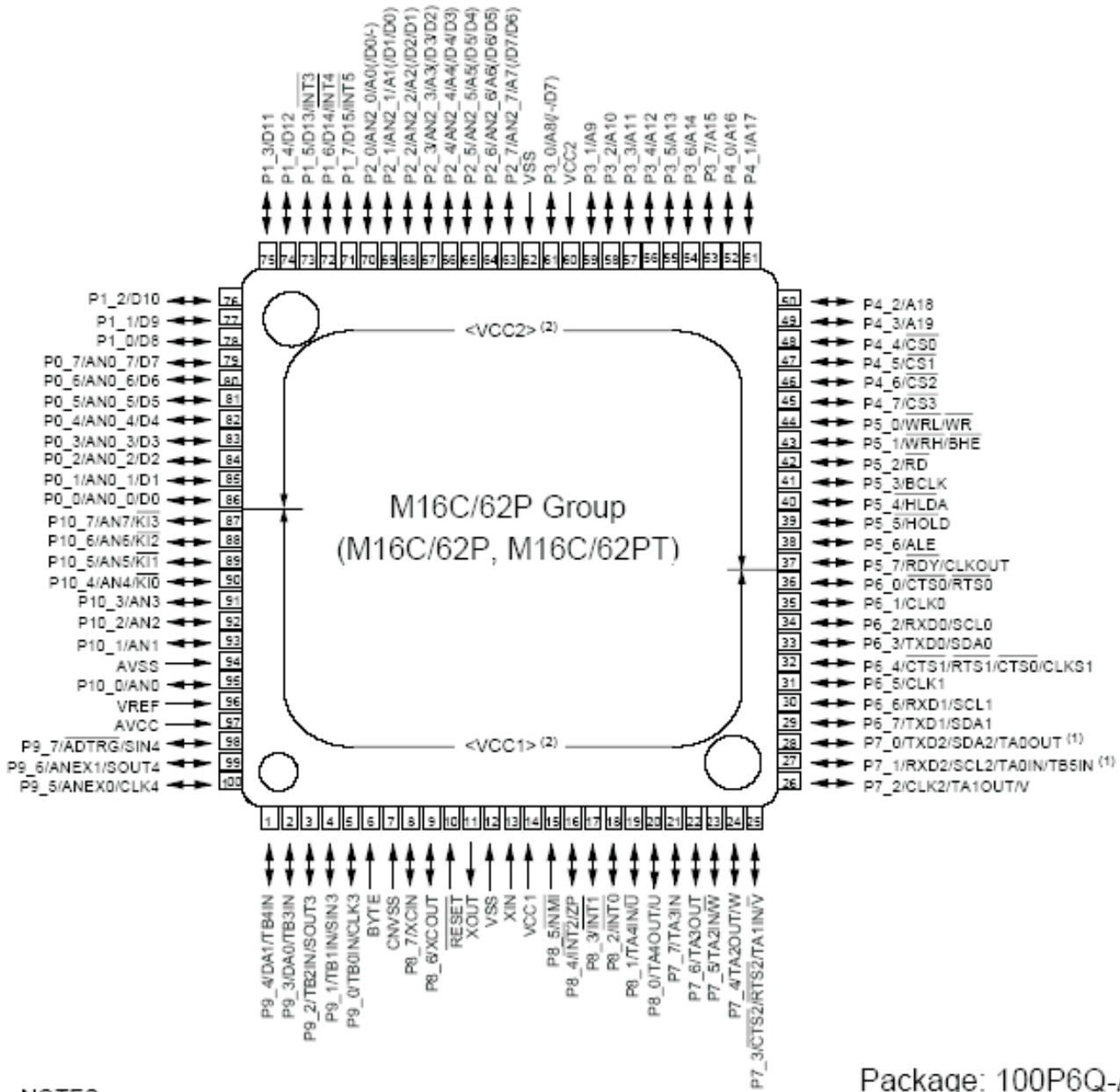


8.3.2 IC Data Sheets-M30620SPGP(U107)

Block Diagram



PIN CONFIGURATION (top view)



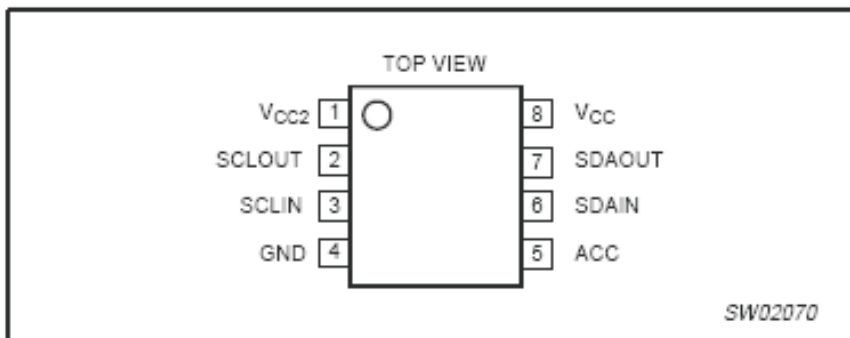
NOTES:

1. P7_0 and P7_1 are N channel open-drain output pins.
2. Use the M16C/62PT on VCC1 = VCC2.

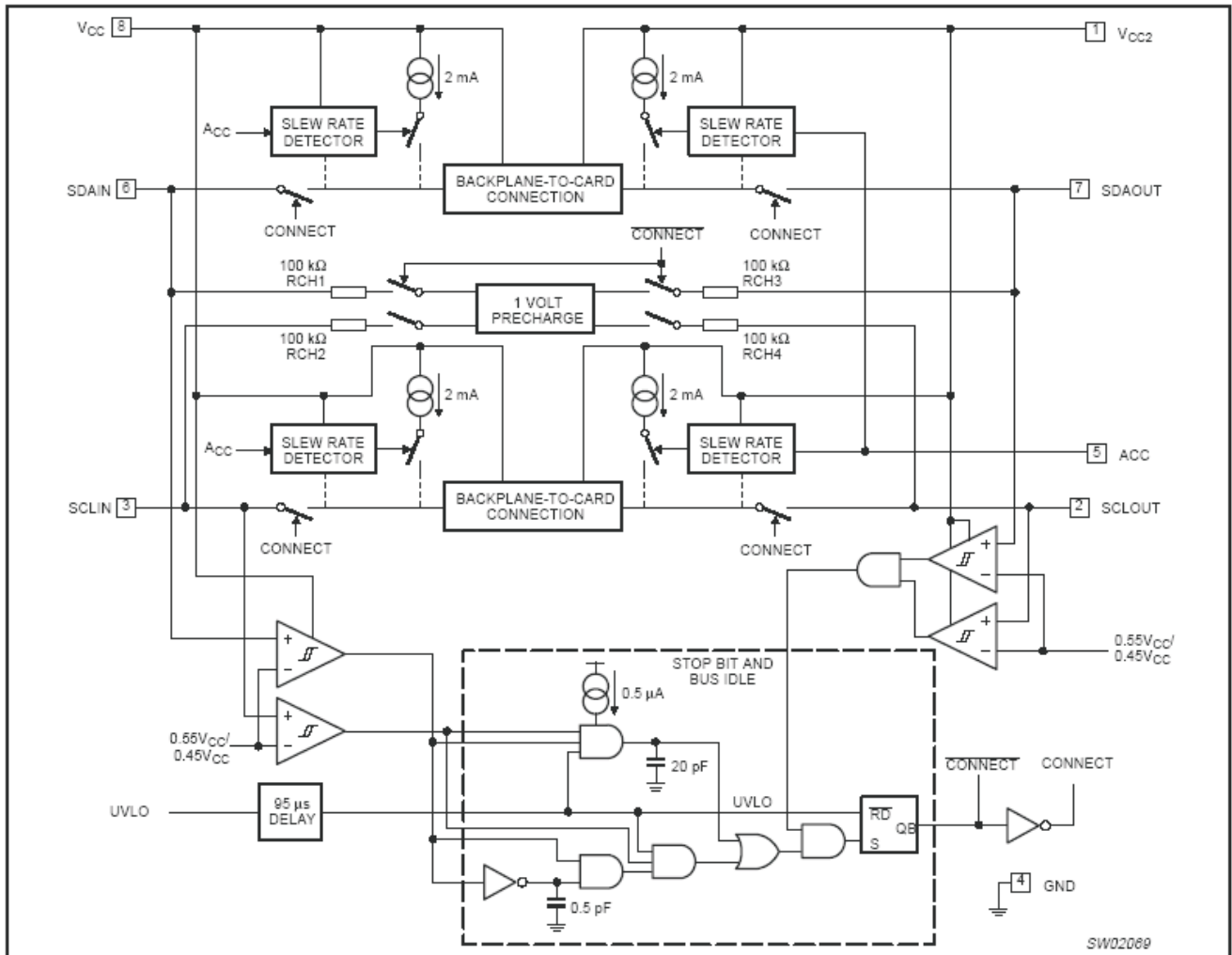
Package: 100P6Q-A

8.3.3 IC Data Sheets-PCA9512(U132)

PIN CONFIGURATION

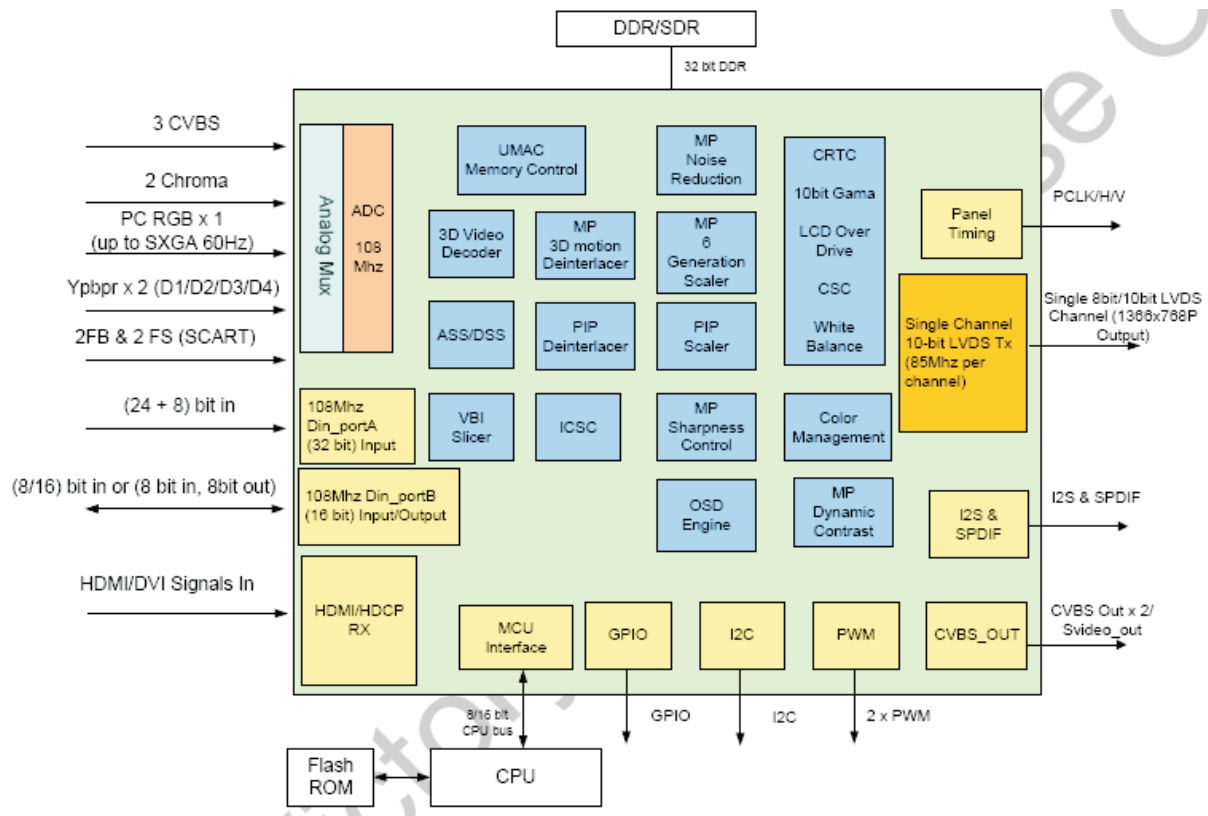


BLOCK DIAGRAM



8.3.4 IC Data Sheets-SVP-PX66LX66(U110)

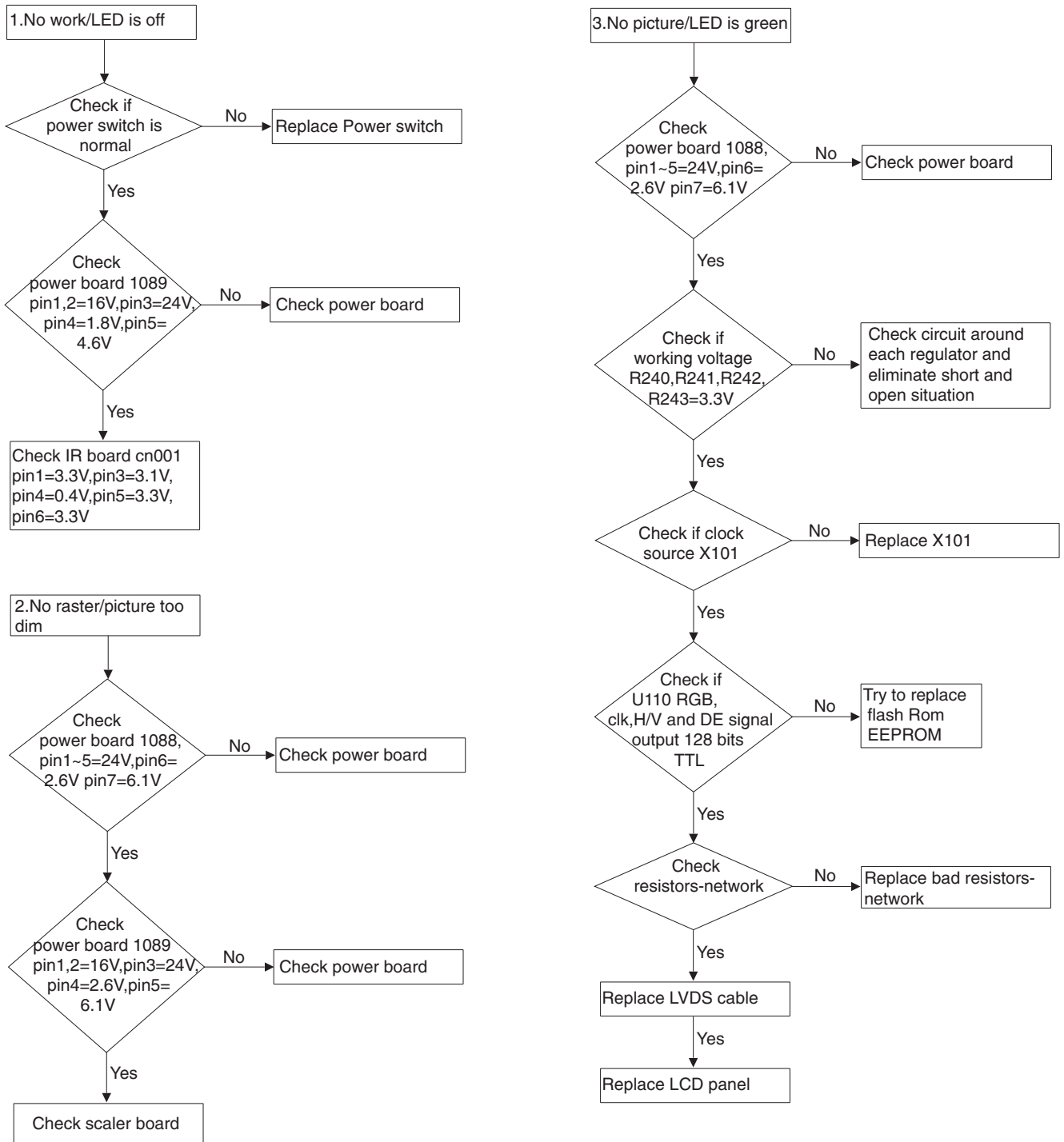
Block Diagram

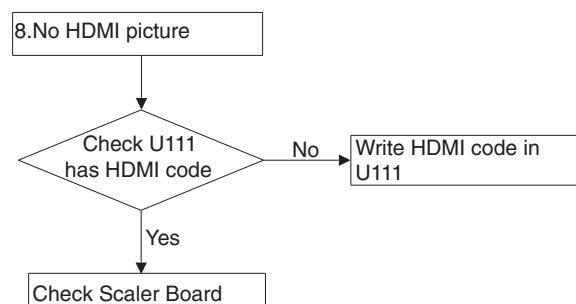
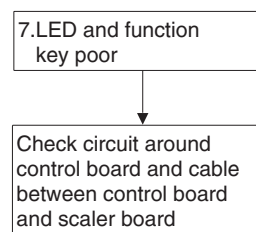
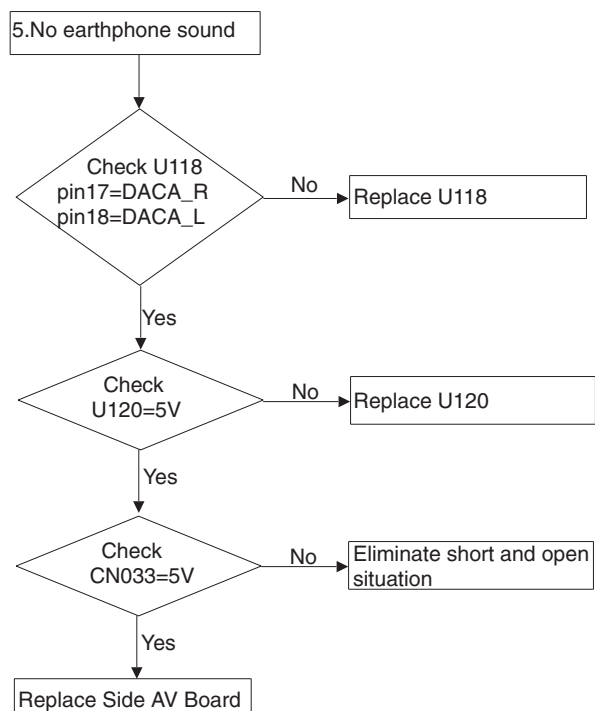
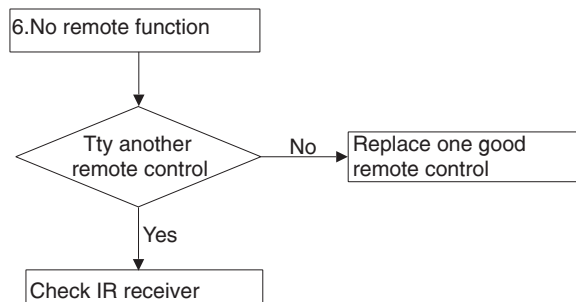
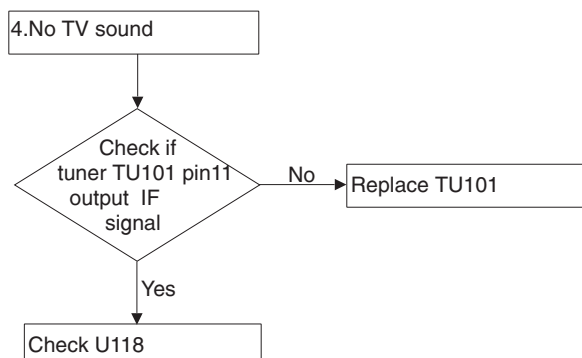


PIN Configuration

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
A	MD27	MD26	MD25	MD23	MD21	DQM2	MD19	MD12	DQM1	MD7	MD6	DQM0	MD2	TA1P	TB1P	TC1P	TCLK1P	TD1P	TE1P	Rev'd	A	
B	DQM3	DQ53	VSS	VDDM	MD22	DQ52	MD18	MD13	DQ51	MD8	MD5	DQ50	MD1	TA1M	TB1M	TC1M	TCLK1M	TD1M	TE1M	Rev'd	B	
C	MD28	MD29	MD30	VDDM	MD24	VSS	MD17	MD14	VSS	MD9	MD4	VSS	MD0	VDDC	VDDC	LVD5_VSSD	LVD5_VDDO	LVD5_VSSO	LVD5_VSSO	Rev'd	C	
D	MCK0	VSS	MD31	VDDM	VDDM	MD20	MD16	MD15	MD11	MD10	VDDM	MD3	VDDC	VDDC	VDDC	LVD5_VSSD	LVD5_VDDO	LVD5_VSSO	LVD5_VSSO	Rev'd	D	
E	MCK0#	VDDR	MVREF	VSSR	VDDM	VDDM	VSSR	VDDR	VDDM	VDDM	VDDM	VDDM	VDDC	VDDC	VDDC	LVD5_VSSA	LVD5_VDDA	LVD5_VSSP	LVD5_VSSP	Rev'd	E	
F	MA11	MA10	MA9	MA8	VDDM	<div><div></div></div>										VSSF	TESTMODE	RESET	Rev'd	Rev'd	F	
G	MA4	MA5	MA6	MA7	VDDM											VDDC	PWM0	INTN	Rev'd	Rev'd	G	
H	MA3	MA2	MA1	MA0	VDDC											VDDC	SDA	SCL	Rev'd	Rev'd	H	
J	CAS#	RAS#	CS1#	CS0#	VDDC											VDDC	CPU_CS	ALE	WR#	RD#	J	
K	WE#	CLKE	BA0	BA1	VDDC											VDDC	AD4	AD5	AD6	AD7	K	
L	RXC+	RXC-	TMD5_GND	PVCC	VSS											VDDH	AD0	AD1	AD2	AD3	L	
M	RX0+	RX0-	TMD5_GND	AVCC	ANTST0											VDDH	ADDR7	ADDR6	ADDR5	ADDR4	M	
N	RX1+	RX1-	TMD5_GND	AVCC	AVCC											VDDH	ADDR0	ADDR1	ADDR2	ADDR3	N	
P	RX2+	RX2-	TMD5_GND	AVCC	DGND											VDDH	VS	VSS	HS	Rev'd	P	
R	TMD5_GND	AVDDL1	PLL	PAVSS2	PLF2	REGVCC	<div><div></div></div>										VDDC	Rev'd	Rev'd	DPB_9	DPB_8	R
T	AVSS1_LL	PAVSS1	PAVDD1	PAVDD2	AVSS1_ADC1	AVSS1_AD_C4	AVSS1_AD_C2	AVDD1_AD_C3	AVSS1_AD_C3	PWRSV	DSCL	VDDH	VDDH	VDDC	VDDC	VSS	DPB_10	DPB_11	DPB_CLK	DPB_12	T	
U	AVDD1_LL	MLF1	AVDD3_OUTBUF	FB2	AVDD1_ADC1	AVDD1_AD_C4	AVDD1_AD_C2	PC_R	AVDD3_ADC2	AIN_VS	DSDA	WS	DPA_22	DPA_15	DPA_14	DPA_8	DPA_7	DPB_15	DPB_14	DPB_13	U	
V	AVSS1_LL	CVBS_OUT1	AVDD3_BG_ASS	FS1	VREFN_1	Y_G1	VREFN_2	PR_R3	C	AIN_HS	SCDT	SD0	DPA_21	DPA_16	DPA_13	DPA_9	DPA_6	DPA_1	DPB_HS	DPB_VS	V	
W	XTAL1	CVBS_OUT1	AVSS1_BG_ASS	FS2	VREFP_1	Y_G2	VREFP_2	PR_R2	PB_B1	PC_B	AUDIOCLK	SPDEF	DPA_20	DPA_17	DPA_12	DPA_10	DPA_5	DPA_2	DPA_0	DPB_DE	W	
Y	XTAL0	AVSS1_OUTBUF	AVDD3_ADC1	CVBS1	FB1	Y_G3	PC_G	PR_R1	PB_B2	PB_B3	SCK	DPA_23	DPA_19	DPA_18	DPA_CLK	DPA_11	DPA_4	DPA_3	DPA_HS	DPA_VS	Y	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		

8.4 Repair Flow Chart





9. Spare Parts List



TPT1.0A LA






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Model: 37TA1800/93(CPT) 12NC: 8639 000 17108

Item	Philips 12NC	DESCRIPTION	TPV 18NC
Mechanical Parts			
458	3138 154 17881	PLASTIC HANDLE	
459	3138 154 17891	SMALL PLASTIC HANDLE	
91	3138 157 61171	BKT-SPKBX-BOTTOM ASSY	
99	3138 157 61211	BKT-RB ASSY	
90	3138 157 61281	MAIN SHIELD ASSY	
40	3138 157 61291	BACK COVER ASSY	
30	3138 157 61441	FRONT BEZEL ASSY	
50	3138 157 61451	BASE ASSY	
Packing Parts			
139	3138 156 36362	P.E.BAG 275X320 MM	
460	3138 156 41611	P.E. BAG(1000 X 700)	
454	3138 156 42181	CUSHION - BTM-BA-L	
450	3138 156 42601		
464	3138 156 42661	CARTON-BOTTOM	
451	3138 156 42671	CUSHION-TOP-TL	
452	3138 156 42681	CUSHION-TOP-TR	
Accessory			
145	3138 155 24611	USER'S MANUAL	
1070	9965 000 39546	POWER CORD	89G414A15NLS1
1060	9965 000 39545	REMOTE CONTROLLER	98TRASW1BTPHR
miscellanea			
6	3138 198 74741	CBLE-390 10/110/10-020 AWG26	
7	8238 277 32098	LSP BOX 8R 10W (FS-0000085AC)	
2	8238 277 32103	IR BOARD CABLE 46412	
3	8238 277 32104	CPT INVERTER CABLE JFE 46424	
5	8238 277 32105	37" KEY BOARD WIRE JFE 46425	
4	8238 277 32106	37" CPT LVDS CABLE JFE 46428	
1	8238 277 32107	SIDE AV BOARD CABLE 46413	
LCD Panel			
1050	8238 277 20921	CPT CLAA370WA03	
PCB Assy			
1053	9965 000 39547	SCALER BOARD_VISION_D	CBPF6T2DP1
1054	3138 158 64961	POWER PCB ASSY 37"	
1055	9965 000 39542	SIDE_AV_BOARD_VISION_D	PTPF6PA1
1056	9965 000 39543	IR	IRPF6PA1
1057	9965 000 39544	KEY BOARD	KEPF6PA1
PCB Assy			
1053	9965 000 39547	SCALER BOARD_VISION_D	CBPF6T2DP1
Various			
CN120	9965 000 39574	CONNECTOR 30P	33L803330FP
C112	9965 000 39616	CHIP 5PF -0.5PF 50V NPO	65G060350931
C115	9965 000 39616	CHIP 5PF -0.5PF 50V NPO	65G060350931
C117	9965 000 39616	CHIP 5PF -0.5PF 50V NPO	65G060350931
C119	9965 000 39613	CER1 0603 NPO 5V 220P P M5 R	65G060322131
C131	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C157	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C159	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C163	9965 000 39573	CAP CHIP 0603 33P 50V NPO /-5%	65G060333031J
C164	9965 000 39573	CAP CHIP 0603 33P 50V NPO /-5%	65G060333031J
C166	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C172	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C174	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C175	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C176	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C178	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C188	9965 000 39611	0.01UF -10% 50V X7R	65G060310332
C198	9965 000 39618	CHIP 10UF 16V X5R	65G120610615
C218	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527
C224	9965 000 31079	1UF -10% 6V X7R	65T080510517
C225	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C226	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C229	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C231	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C234	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C235	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C237	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C238	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C239	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C242	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C244	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C248	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C250	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C252	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C254	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C258	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C260	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C262	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C264	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C266	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C267	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C268	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C269	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527
C270	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C291	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C292	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C293	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C294	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C296	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C298	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C299	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C300	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C303	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C304	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C305	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C306	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C307	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C309	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C311	9965 000 39573	CAP CHIP 0603 33P 50V NPO /-5%	65G060333031J
C312	9965 000 39573	CAP CHIP 0603 33P 50V NPO /-5%	65G060333031J
C313	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C314	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C315	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C316	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C317	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C318	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C319	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C320	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C321	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C323	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C325	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C327	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C328	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C331	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C332	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C334	9965 000 39571	1000UF 20% 25V 105C	67G3051024L
C334	9965 000 39572	1000UF 20% 25V 85C	67L3091024T
C335	9965 000 31083	CHIP 0.47UF 25V Y5V	65T080547422
C336	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C347	9965 000 39614	CER2 0603 Y5V 16V 220N P 8020 R	65G060322417Z
C349	9965 000 39617	CHIP 1UF 25V X7R 0805	65G080510522GP
C351	9965 000 39614	CER2 0603 Y5V 16V 220N P 8020 R	65G060322417Z
C354	9965 000 39614	CER2 0603 Y5V 16V 220N P 8020 R	65G060322417Z
C355	9965 000 39614	CER2 0603 Y5V 16V 220N P 8020 R	65G060322417Z
C357	9965 000 39614	CER2 0603 Y5V 16V 220N P 8020 R	65G060322417Z
C359	9965 000 39617	CHIP 1UF 25V X7R 0805	65G080510522GP
C360	9965 000 31259	CHIP 220PF 50V NPO	65T060322132
C366	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C367	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C369	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C370	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C371	9965 000 31083	CHIP 0.47UF 25V Y5V	65T080547422
C381	9965 000 39615	CHIP 0.047UF 50V X7R	65G060347332
C387	4822 124 12342	100UF 35V 20%	203803155101
C387	9965 000 39570	100UF -20% 35V 105 D C	67G3051016T
C390	9965 000 39615	CHIP 0.047UF 50V X7R	65G060347332
C394	4822 124 12342	100UF 35V 20%	203803155101
C394	9965 000 39570	100UF -20% 35V 105 D C	67G3051016T
C400	4822 124 12342	100UF 35V 20%	203803155101
C400	9965 000 39570	100UF -20% 35V 105 D C	67G3051016T
C416	9965 000 39615	CHIP 0.047UF 50V X7R	65G060347332
C420	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527
C422	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C424	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
CP101	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
CP102	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
CP103	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
CP104	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
CP105	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
CP106	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
CP107	9965 000 39569	CHIP ARRAY 0.1UF 8P	65G602K1048T
R106	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101
R107	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101
R108	9965 000 39553	RST SM 0603 RC0603 47K P	61L0603473
R110	9965 000 39605	CHIPR 470 OHM -5% 1/16W	61L0603471
R112	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103
R113	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101
R114	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101

9. Spare Parts List

R115	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R327	9965 000 39593	CHIP 10 OHM 1/10W	61L0603100	
R116	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R334	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R117	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R336	9965 000 39561	CHIPR 1K OHM -5% 1/16W	61L0603102	
R118	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R338	9965 000 39561	CHIPR 1K OHM -5% 1/16W	61L0603102	
R119	9965 000 39609	CHIPR 75 OHM -5% 1/16W	61L0603750	R339	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R120	9965 000 39609	CHIPR 75 OHM -5% 1/16W	61L0603750	R344	9965 000 39591	CHIP 51OHM 1/16W	61A0603510	
R121	9965 000 39609	CHIPR 75 OHM -5% 1/16W	61L0603750	R345	9965 000 39591	CHIP 51OHM 1/16W	61A0603510	
R122	9965 000 39600	CHIPR 2.2K OHM -5% 1/16W	61L0603222	R346	9965 000 39598	0603 15 OHM 1/10W	61L0603150	
R123	9965 000 39600	CHIPR 2.2K OHM -5% 1/16W	61L0603222	R347	9965 000 39598	0603 15 OHM 1/10W	61L0603150	
R124	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	R348	9965 000 39598	0603 15 OHM 1/10W	61L0603150	
R125	9965 000 39561	CHIPR 1K OHM -5% 1/16W	61L0603102	R349	9965 000 39598	0603 15 OHM 1/10W	61L0603150	
R126	9965 000 39601	CHIPR 22K OHM -5% 1/16W	61L0603223	R367	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R135	9965 000 39553	RST SM 0603 RC0603 47K P	61L0603473	R368	9965 000 39600	CHIPR 2.2K OHM -5% 1/16W	61L0603222	
R186	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R369	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R189	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R370	9965 000 39600	CHIPR 2.2K OHM -5% 1/16W	61L0603222	
R190	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R371	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R191	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R372	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R192	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R373	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R196	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R374	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R198	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R375	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R199	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R376	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R200	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R377	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R201	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R378	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R203	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R379	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R204	9965 000 39599	CHIPR 22 OHM -5% 1/16W	61L0603220	R380	9965 000 39607	CHIP 470K OHM 1/10W	61L0603474	
R205	9965 000 39599	CHIPR 22 OHM -5% 1/16W	61L0603220	R381	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R206	9965 000 39603	CHIPR 33 OHM -5% 1/10W	61L0603330	R382	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R207	9965 000 39599	CHIPR 22 OHM -5% 1/16W	61L0603220	R384	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R208	9965 000 39599	CHIPR 22 OHM -5% 1/16W	61L0603220	R385	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R209	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R386	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R210	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R388	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R211	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R389	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R212	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R390	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R213	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R391	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R214	9965 000 39599	CHIPR 22 OHM -5% 1/16W	61L0603220	R392	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R216	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R394	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R221	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R395	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R225	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R396	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R228	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	R397	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R230	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R398	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	
R231	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	R399	9965 000 39602	RES 27K 1/10W 5% 0603	61L0603273	
R232	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R403	9965 000 39608	CHIP 6.8K OHM 1/10W	61L0603682	
R233	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R406	9965 000 39608	CHIP 6.8K OHM 1/10W	61L0603682	
R234	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R408	9965 000 39597	CHIP 120KOHM 1/10W	61L0603124	
R235	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R411	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	
R236	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R413	9965 000 39552	CHIP 3.3K OHM 1/10W	61L0603332	
R237	9965 000 39604	CHIP 330 OHM 1/10W	61L0603331	R414	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	
R238	9965 000 39604	CHIP 330 OHM 1/10W	61L0603331	R415	9965 000 39552	CHIP 3.3K OHM 1/10W	61L0603332	
R251	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R417	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R252	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R418	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R253	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R423	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	
R254	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R424	9965 000 39596	RST SM 0603 RC0603 100K PM5 R	61L0603104	
R255	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R426	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	
R256	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	R432	9965 000 39596	RST SM 0603 RC0603 100K PM5 R	61L0603104	
R257	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R433	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	
R258	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R444	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	
R260	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R445	9965 000 39596	RST SM 0603 RC0603 100K PM5 R	61L0603104	
R261	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R447	9965 000 39561	CHIPR 1K OHM -5% 1/16W	61L0603102	
R262	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R448	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	
R263	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	R449	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	
R266	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	R450	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	
R267	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	RP101	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R268	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	RP102	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R269	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	RP103	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R270	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	RP104	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R271	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	RP105	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R282	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	RP106	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R283	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	RP107	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008	
R284	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	RP108	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R285	9965 000 39593	CHIP 10 OHM 1/10W	61L0603100	RP109	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R286	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	RP110	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R287	9965 000 39594	CHIPR 100 OHM -5% 1/16W	61L0603101	RP111	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R291	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	RP112	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R293	9965 000 39593	CHIP 10 OHM 1/10W	61L0603100	RP113	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R294	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	RP114	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R295	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103	RP115	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508	
R296	9965 000 39595	CHIPR 10K OHM -5% 1/16W	61L0603103					
R297	9965 000 39609	CHIPR 75 OHM -5% 1/16W	61L0603750		D114	9965 000 39285	DIODE BAV99 BY PHILIPS	93G6433
R298	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000		Q101	9965 000 39587	BC847C	57C419513
R299	9965 000 39603	CHIPR 33 OHM -5% 1/10W	61L0603330	Q102	9965 000 39587	BC847C	57C419513	
R306	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000	Q104	9965 000 39590	FET 2N7002E VISHAY	57T7581	
R314	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	Q106	9965 000 39588	TRA SIG SM MUN2211J(ONSE)R	57G7601PH	
R316	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	Q107	9965 000 39588	TRA SIG SM MUN2211J(ONSE)R	57G7601PH	
R317	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	Q108	9965 000 39588	TRA SIG SM MUN2211J(ONSE)R	57G7601PH	
R319	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	Q109	9965 000 39588	TRA SIG SM MUN2211J(ONSE)R	57G7601PH	
R323	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	Q112	9965 000 39588	TRA SIG SM MUN2211J(ONSE)R	57G7601PH	
R324	9965 000 39606	CHIPR 4.7K OHM -5% 1/16W	61L0603472	U101	9965 000 39568	IC 74LV4053PW TSSOP16	56T665906	
R326	9965 000 39593	CHIP 10 OHM 1/10W	61L0603100					

U102	9965 000 39579	M24C02-WMN6TP	56G113334	3064	2122 101 02173	RST CRB CF1/6 A 2R2 PM5 A	
U103	9965 000 31352	74LVC14ADT	56T4LVC14P	3065	2138 112 01689	RST SM 0805 RC05 68R PM5 R	
U105	9965 000 39586	CM2021-00TR TSSOP-38	56T6623	3066	4822 051 20334	330K00 5% 0,1W	232273463304
U106	996500039827	FLASH ASSY	705TPNKO56002	3067	4822 051 20334	330K00 5% 0,1W	232273463304
U108	996500039828	EEPROM ASSY	705TPNKO56001	3068	4822 051 20334	330K00 5% 0,1W	232273463304
U110	9965 000 39564	IC SVP-PX66 BGA336	56T562900	3069	4822 117 10845	620R 1% 0,1W	232273466201
U111	9965 000 39565	IC CS4344-CZZ TSSOP-1	56T567900	3070	4822 117 13085	5K6 1% RC12H 0,1W 0805	232273465602
U112	9965 000 39581	GDDR SDRAM K4D263238G-VC 33	56K615602	3071	8238 277 18921	VDR DC 1MA1532V SMAX 930V R	
U118	9965 000 39583	MSP3440G-QI-B8-V3	56T5937	3072	4822 051 20102	1K00 5% 0,1W	213811201102
U118	9965 000 39584	IC MSP3410G-QI-B8V3PMQFP64 MICRO	56T593901	3073	2138 101 13108	RST CRB CFR-12 A 1R PM5 A	
U119	9965 000 39585	74HC4052D	56T6141	3074	2122 101 02205	RST CRB CF1/6 A 22K PM5 A	
U120	9965 000 39580	IC TDA1308T SOP8	56K613601	3075	4822 051 20102	1K00 5% 0,1W	213811201102
U121	9965 000 39566	IC TPA3008D2PHP PQFP-48	56T616900	3076	4822 051 20471	470R00 5% 0,1W	213811201471
U122	9965 000 39589	FET POW SM Si5441DC(VISH)R	57G7631PH	3077	4822 051 20334	330K00 5% 0,1W	232273463304
U123	9965 000 39575	IC L5972D013TR S08	56G158805	3078	4822 051 20564	560K00 5% 0,1W	232273061564
U124	9965 000 39589	FET POW SM Si5441DC(VISH)R	57G7631PH	3079	4822 051 20102	1K00 5% 0,1W	213811201102
U125	9965 000 39575	IC L5972D013TR S08	56G158805	3080	4822 117 10833	10K 1% 0,1W	213811201103
U126	9965 000 39575	IC L5972D013TR S08	56G158805	3081	8238 277 36035	RESISTOR 0R12 1W PM1	
U127	9965 000 39578	AP1117E25A	56G5855A	3082	2138 112 01689	RST SM 0805 RC05 68R PM5 R	
U128	9965 000 39582	IC AP1117E18LA ANACHIP	56T56327A	3083	2122 101 02173	RST CRB CF1/6 A 2R2 PM5 A	
U129	9965 000 39589	FET POW SM Si5441DC(VISH)R	57G7631PH	3084	4822 117 11449	2K2 5% 0,1W 0805	213811201222
U130	9965 000 39576	IC AME1084ECDTZ(TO-263)	56G563925	3085	4822 051 20102	1K00 5% 0,1W	213811201102
U131	9965 000 39577	AP1117E33LA	56G5854A	3086	4822 117 11139	1K5 1% 0,1W	232273061152
U132	9965 000 39567	IC PCA9512ADP TSSOP-8	56T665904	3087	4822 050 12204	220K00 1% 0,4W	213810113224
PCB Assy				3088	4822 051 20229	22R00 5% 0,1W	213811201229
26	3138 158 64961	POWER PCB ASSY 37"		3089	4822 117 11449	2K2 5% 0,1W 0805	213811201222
Various				3090	5322 117 12487	RESISTOR, FIXED, OTHERS <20W	232273461002
187	4822 466 93161		313810340032	3091	4822 117 10965	18K 1% 0,1W	232273461803
1062	4822 070 35002	218005 MXP	242208610654	3092	4822 051 20471	470R00 5% 0,1W	213811201471
1063	2422 025 18904	CON V 12P M 2.50 64842 B		3093	4822 050 24702	4K70 1% 0,6W	213810113472
1088	2422 025 18904	CON V 12P M 2.50 64842 B		3094	4822 117 10837	100K 1% 0,1W	232273061104
1089	3138 188 77041	CON BM V 10P M 2.5 61249		3095	4822 117 11449	2K2 5% 0,1W 0805	232273462202
				3096	4822 051 20223	22K00 5% 0,1W	232273061223
2051	2038 310 00014	CAP MPP 275V S 680N PM10 B		3097	4822 051 20223	22K00 5% 0,1W	232273061223
2052	8238 277 36052	SAFETY Y-CAP 470P		3098	4822 050 21003	10K00 1% 0,6W	213810113103
2053	8238 277 36052	SAFETY Y-CAP 470P		3099	4822 051 20105	1M00 5% 0,1W	232273061105
2054	2422 549 00746	SURGE PROTECT GS41-201MA A					
2055	2038 310 00014	CAP MPP 275V S 680N PM10 B		5051	2422 549 00804	FIL MAINS 10MH 3A5 S50860 Y	
2056	8238 277 18501	1.5MF 450V MPP		5052	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2057	8238 277 36046	IND FXD SM 7055 33U PM20 R	823827736041	5053	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2058	4822 126 14107	330NF +-80/20% Y5V 25V	222291019856	5054	2422 549 00793	FIL MAINS 7.5MH 4A FPH5002AL Y	
2059	2222 241 19876	CER2 1206 Y5V 10V 10U P8020 R		5055	8238 277 32027	PFC COIL	
2060	5322 122 34098	10NF10%X7R 63V	223858015636	5056	3138 168 74510	FERRITE BEAD	313816874511
2061	4822 126 14585	100NF 10% X7R 0805 50V	223891015649	5057	3138 168 74510	FERRITE BEAD	313816874511
2062	8238 277 36038	CAPACITOR 180U/450V HS		5058	3138 168 74510	FERRITE BEAD	313816874511
2063	4822 126 11524	1.5NF10% 1KV	202055790152	5059	3138 168 74510	FERRITE BEAD	313816874511
2064	2422 549 00746	SURGE PROTECT GS41-201MA A		5060	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2065	4822 126 12105	CER2 0805 X7R 50V 33NF PM5	223858015643	5061	2422 536 01185	IND FXD SPT0305 A 68U PM10 A	
2066	4822 124 40248	10UF20% 63V	203801750215	5062	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2067	2038 035 27304	ELCAP KM 25V S 100U PM20 A		5063	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2068	4822 124 11965	47UF 20% 25V	203803513301	5071	8238 277 32026	POWER TRANSFORMER	
2069	2422 549 00746	SURGE PROTECT GS41-201MA A		5072	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2070	2422 549 00746	SURGE PROTECT GS41-201MA A		5073	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2071	8238 277 36051	SAFETY Y-CAP IN5		5074	2422 536 01102	IND FXD OL1028H S 10UH PM10 Y	
2072	4822 122 33127	2.2NF10%X7R 50V	223858015627	5076	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2073	4822 126 13606	10N 2% 100V	203830150151	5077	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2074	2022 031 00364	ELCAP LZ 25V S 2200U PM20 B		5078	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621
2076	4822 126 14585	100NF 10% X7R 0805 50V	223858015649	5079	2422 536 01186	IND FXD OL1133V S 10U PM20 Y	
2077	5322 122 34098	10NF10%X7R 63V	223858015636	5080	2422 536 01102	IND FXD OL1028H S 10UH PM10 Y	
2078	4822 121 10755	8.2NF 5% 100V	203830150186				
2079	4822 121 10755	8.2NF 5% 100V	203830150186	6051	4822 130 10741	GBU6J	931900263671
2080	2022 031 00362	ELCAP LZ 35V S 1000U PM20 B		6051	4822 130 10741	GBU6J	931900263671
2081	8238 277 36028	CAPACITOR 1200U 35V LZ		6052	8238 277 18461	DIODE STTH8L06FP	
2082	2022 031 00362	ELCAP LZ 35V S 1000U PM20 B		6052	8238 277 18461	DIODE STTH8L06FP	
2084	4822 126 14585	100NF 10% X7R 0805 50V	223891015649	6053	4822 130 80877	BAV103	933952580685
2085	9965 000 09661	CER SMD 470PF 50V 10% X7R 0805	223858015618	6054	8238 277 35007	TRANSIENT SUPPRESSOR 120V 5W	
2086	4822 126 14585	100NF 10% X7R 0805 50V	223858015649	6055	8238 277 35007	TRANSIENT SUPPRESSOR 120V 5W	
2087	5322 122 34098	10NF10%X7R 63V	223858015636	6056	9322 228 60673	DIO REC STTH110 (ST00) A	
2088	4822 126 14585	100NF 10% X7R 0805 50V	223891015649	6057	4822 130 34233	BZX79-B5V1	933117720133
2091	4822 126 14585	100NF 10% X7R 0805 50V	223891015649	6061	4822 130 80877	BAV103	933952580685
2092	4822 126 14585	100NF 10% X7R 0805 50V	223891015649	6062	4822 130 31607	RGP10D	933751660673
				6063	4822 130 80877	BAV103	933952580685
3048	4822 051 20472	4K70 5% 0,1W	213811201472	6064	4822 130 31607	RGP10D	933751660673
3049	4822 050 21005	1M00 1% 0,6W	213810113105	6065	4822 130 80877	BAV103	933952580685
3050	4822 051 20154	150K00 5% 0,1W	213811201154	6066	4822 130 31607	RGP10D	933751660673
3051	2122 612 00082	NTC DC SCK-015 S 1R PM15 A		6071	9322 192 03687	DIO REC STPS20H100CFP (ST00) L	932219930687
3052	8238 277 18171	VDR DC 1MA/510 845V R		6071	9322 192 03687	DIO REC STPS20H100CFP (ST00) L	932219930687
3053	4822 051 10224	220K00 2% 0,25W	232271161224	6072	4822 130 80877	BAV103	933952580685
3054	4822 051 10184	180K00 2% 0,25W	232271161184	6073	4822 130 80877	BAV103	933952580685
3055	4822 051 10224	220K00 2% 0,25W	232271161224	6074	9331 178 10133	DIO REC BZX79-C12 A (PHSE) A	
3056	4822 051 10105	1M00 5% 0,25W	232271161105	6075	4822 130 80877	BAV103	933952580685
3057	4822 051 10105	1M00 5% 0,25W	232271161105	6076	4822 130 31024	BZX79-B18	933166930133
3058	4822 117 10833	10K 1% 0,1W	213811201103	6077	9322 226 35687	DIO REC STPS40H100CW (ST00) L	
3059	2138 112 01333	RST SM 0805 RC05 33K PM5 R		6077	9322 226 35687	DIO REC STPS40H100CW (ST00) L	
3060	2122 101 02185	RST CRB CF1/6 A 470R PM5 A		6078	5322 130 31938	BYV27-200	932212672673
3061	8238 277 36036	RESISTOR 0R22 1W PM5		6081	4822 130 31024	BZX79-B18	933166930133
3062	8238 277 36036	RESISTOR 0R22 1W PM5					
3063	4822 051 10333	33K00 2% 0,25W	232271161333	7056	8238 277 17551	PFC CONTROLLER IC	
				7057	8238 277 35005	MOSFET 20A 600V TO-3P	

9. Spare Parts List

7057	9965 000 39691	MOSFET 20A 600V TO-3P	823827735005
7061	9352 673 56112	IC TEA1507P/N1 (PHSE) L	
7062	8238 277 35006	MOSFET 13A 800V TO-247	
7062	9965 000 39692	MOSFET 13A 800V TO-247	823827735006
7063	4822 130 41327	BC327-40	933179540126
7071	8238 277 35008	MOSFET 30V 80A	823827735008
7072	8238 274 02070	TCET1103G	932214014667
7073	4822 209 14933	TL431IZ	932208697676
7074	8238 274 02070	TCET1103G	932214014667
7075	4822 130 41782	BF422	933259350126
7076	4822 130 44503	BC547C	933737040676
7077	5322 130 42756	BC857C	933769900215
7078	5322 130 42755	BC847C	933589600215

PCB Assy			
1055	9965 000 39542	SIDE_AV_BOARD_VISION_D	PTPF6PA1
Various			
CN034	9965 000 39557	RCA JACK 1*3 Y/W/R 69054	88T7813907FP
			
C031	9965 000 31330	CHIP 0.0068UF 50V X7R 0	65T060368232
C032	9965 000 31330	CHIP 0.0068UF 50V X7R 0	65T060368232
C036	9965 000 39555	820PF 50V -5% NPO	65T060382131
			
R031	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000
R032	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000
R033	9965 000 39554	75OHM 1% 1/10W	61L06037509F
R034	9965 000 39554	75OHM 1% 1/10W	61L06037509F
R035	9965 000 39551	RST SM 0603 JUMP MAX 0R0 5 R	61L0603000
R036	9965 000 39550	CHIPR 75 OHM -5% 1/10W	61A0603750
R037	9965 000 39552	CHIP 3.3K OHM 1/10W	61L0603332
R038	9965 000 39552	CHIP 3.3K OHM 1/10W	61L0603332
R039	9965 000 39553	RST SM 0603 RC0603 47K P	61L0603473
R040	9965 000 39553	RST SM 0603 RC0603 47K P	61L0603473
R041	9965 000 39553	RST SM 0603 RC0603 47K P	61L0603473
R042	9965 000 39553	RST SM 0603 RC0603 47K P	61L0603473
			
FB031	9965 000 39556	CHIP BEAD	71T56K121M
FB032	9965 000 39556	CHIP BEAD	71T56K121M

PCB Assy			
1057	9965 000 39544	KEY BOARD	KEPF6PA1
			
2904	9965 000 39558	CHIP 0.1UF 50V X7R	65T060310432GP
			
3906	9965 000 39559	CHIP 18K OHM 1/10W	61L0603183
3907	9965 000 39560	CHIP 3.6KOHM 1% 1/10W	61L06033601F
3909	9965 000 39561	CHIPR 1K OHM -5% 1/16W	61L0603102
3910	9965 000 39562	CHIP 5.6K OHM 1/10W	61L0603562
3911	9965 000 39563	CHIPR 47K OHM -5% 1/8W	61L0805473

9. Spare Parts List

TPT1.0A LA

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Model:42TA1800/93(AUO)		12NC:863900017107		2074	9965 000 40839	2200UF 25V GF	67G5152224C
Item	Philips 12NC	Description	18NC	2075	2022 031 00273	ELCAP PF 25V S 100U PM20 A	
Mechanical Parts				2076	2222 580 15649	100NF 10% 50V X7R 0805	
				2077	9965 000 40840	15N/100V PPN	64G47J1531HEU
	9965 000 40804	BACK COVER ASSY	705TPNK0B34003	2078	2038 301 50159	CAP PP PPN 100V S 12N PM5 A	
	9965 000 40803	FRONT BEZEL ASSY	705TPNK0F34003	2079	9965 000 40841	1500UF 35V GF 13X35	67G5151526C
	9965 000 40805	BASE ASSY	P37T00331	2080	5322 122 34098	10NF10%X7R 63V	223858015636
Packing Parts				2081	9965 000 40841	1500UF 35V GF 13X35	67G5151526C
				2082	9965 000 40841	1500UF 35V GF 13X35	67G5151526C
	3138 156 40551	P.E. BAG		2083	9965 000 40850	47U 35V KM	67G3054706CT
	3138 156 42221	CABLE BOX		2084	4822 126 14585	100NF 10% X7R 0805 50V	222291016649
	9965 000 40813	CUSHION-BTM-B-L	P44TN00131	2085	5322 122 32268	CER1 0805 NP0 50V 470P PM5	223886115471
	9965 000 40814	CUSHION-BTM-B-R	P44TN00132	2086	9965 000 40851	2U2 50V NP 5X11	67G602297CT
	9965 000 40809	CUSHION-TOP-L	P44TN00311	2087	5322 122 34098	10NF10%X7R 63V	223858015636
	9965 000 40810	CUSHION-TOP-R	P44TN00312	2088	4822 126 14585	100NF 10% X7R 0805 50V	222291016649
	9965 000 40811	CUSHION-BTM-A-L	P44TN00321	2089	9965 000 40852	IN5 1KV RR TYPE	65G1K1529AT
	9965 000 40812	CUSHION-BTM-A-R	P44TN00322	2090	9965 000 40852	IN5 1KV RR TYPE	65G1K1529AT
	9965 000 40808	CARTON - TOP	P44TN0038131A	2091	4822 126 14585	100NF 10% X7R 0805 50V	222291016649
	9965 000 40815	CARTON - BOTTOM	P44TN0038132A	2092	4822 126 14585	100NF 10% X7R 0805 50V	222291016649
Accessory				2093	5322 122 34098	10NF10%X7R 63V	223858015636
	9965 000 40807	USER'S MANUAL	P41TN0038131A	3041	9965 000 40854	RST CRB CF1/6 A 100K PM5 A	61G60210452T
	3138 168 72190	POWERCORD NONSHIELD	313816872191	3042	4822 051 20332	3K30 5% 0,1W	213811201332
	3139 238 12901	PROD ASSY RC19335016/01B PKD		3043	2138 112 91002	RST SM 0805 JUMP. MAX 0R05 R	
	9965 000 40801	SPEAKER (BLACK)	78TW42904M	3044	2138 112 91002	RST SM 0805 JUMP. MAX 0R05 R	
Miscellanea				3047	2122 101 02173	RST CRB CF1/6 A 2R2 PM5 A	
	9965 000 40795	SIDE AV BOARD CABLE 46415	95T801410930FP	3048	4822 051 20105	1M00 5% 0,1W	213811201105
	9965 000 40799	AUO INVERTER CABLE JFE 46422	95T801412932FP	3050	4822 051 20154	150K00 5% 0,1W	213811201154
	9965 000 40800	AUO INVERTER CABLE JFE 46423	95T801414935FP	3051	9965 000 40853	OR75 NTC 5A	61G58905WT
	9965 000 40797	CONTROL CABLE 46419	95T80142931FP	3052	8238 277 18171	VDR DC 1MA/510 845V R	
	9965 000 40796	IR BOARD CABLE 46414	95T80146936FP	3053	4822 051 10154	150K00 2% 0,25W	232271161154
	9965 000 40798	LVDS CABLE 46416	95T801830943FP	3054	4822 051 10154	150K00 2% 0,25W	232271161154
	9965 000 40806	MAIN SHIELD ASSY	705TPNK0M85001	3055	4822 051 10154	150K00 2% 0,25W	232271161154
LCD Panel				3056	9965 000 40847	RST SM 1206 RC1206 1M PM1 R	61G12061004F
	9965 000 40802	AUO 42" PANEL T420XW01	750TVUT0W0111N	3057	9965 000 40847	RST SM 1206 RC1206 1M PM1 R	61G12061004F
PCB Assy				3058	4822 117 10833	10K 1% 0,1W	213811201103
	9965 000 40820	POWER ASSY	ADPC24300A1P	3059	2138 112 01333	RST SM 0805 RC05 33K PM5 R	
	9965 000 40816	SCALER PCB ASSY	CBPF6T2DP2	3060	2122 101 02185	RST CRB CF1/6 A 470R PM5 A	
	9965 000 40819	IR PCB ASSY	IRPF6PA4	3061	2120 105 00045	RST MOX 1W RSS A 0R18 PM5 A	
	9965 000 40817	KEY CONTROL PCB ASSY	KEPF6PA3	3061	4822 117 11744	0R22 5% 1W	212010590704
	9965 000 40818	SIDE_AV PCB ASSY	PTPF6PA4	3062	2120 105 00045	RST MOX 1W RSS A 0R18 PM5 A	
PCB Assy				3062	4822 117 11744	0R22 5% 1W	212010590704
	9965 000 40820	POWER ASSY		3063	4822 051 10333	33K00 2% 0,25W	232271161333
Various				3064	2122 101 02173	RST CRB CF1/6 A 2R2 PM5 A	
1061	8238 277 32037	AC INLET WITH 6TS CORE		3065	4822 117 11373	100R 1% RC12H 0805	213811201101
1062	9965 000 40834	FUSE 5X20 HT 5A 250V IEC B	84T554	3066	4822 051 20334	330K00 5% 0,1W	232273463304
1063	2422 025 18904	CON V 12P M 2.50 64842 B		3067	4822 051 20334	330K00 5% 0,1W	232273463304
1071	4822 267 10751	2P. MALE	243803100099	3068	4822 051 20334	330K00 5% 0,1W	232273463304
1088	2422 025 18904	CON V 12P M 2.50 64842 B		3069	4822 117 10845	620R 1% 0,1W	232273466201
1089	2422 025 18903	CON V 10P M 2.50 64840 B		3070	4822 117 13085	5K6 1% RC12H 0,1W 0805	232273465602
8089	3138 198 76071	CBLE-390 10/200/10-020 AWG26		3071	9965 000 40855	VARISTOR 560V 1MA	61G46904WT
2051	9965 000 40835	680NF X-CAP	63G107K684HM	3072	4822 051 20102	1K00 5% 0,1W	213811201102
2051	9965 000 40845	SAFETY X2 CAP 680N	63G107K684VM	3073	2122 101 02172	RST CRB CF1/6 A 1R PM5 A	
2052	8238 277 36052	SAFETY Y-CAP 470P		3074	4822 051 10108	1R00 5% 0,25W	232271161108
2053	8238 277 36052	SAFETY Y-CAP 470P		3075	4822 051 20102	1K00 5% 0,1W	213811201102
2054	2422 549 00746	SURGE PROTECT GS41-201MA A		3076	4822 051 20471	470R00 5% 0,1W	213811201471
2055	9965 000 40846	SAFETY X-CAP 1.0UF		3077	4822 051 20334	330K00 5% 0,1W	213811201334
2056	9965 000 40837	63G214J225GMC	63G107K105HM	3078	2138 112 01564	RST SM 0805 RC05 560K PM5 R	
2056	9965 000 40836	2U2 450V MPP	63G214J225GNH	3079	4822 117 13577	330R 1% RC12H 0805 1,25W	213811201331
2057	9965 000 40837	63G214J225GMC	63G214J225GNH	3080	4822 117 11383	12K 1% 0,1W	213811201123
2057	9965 000 40836	2U2 450V MPP	63G214J225GNH	3081	2120 105 00046	RST MOX 1W RSS A 0R1 PM1 A	
2058	4822 126 14107	330NF +-80/20% Y5V 25V	222291019856	3082	4822 051 20339	33R00 5% 0,1W	213811201339
2059	2020 552 96507	CER2 1206 Y5V 10V 10U P8020 R		3083	2122 101 02173	RST CRB CF1/6 A 2R2 PM5 A	
2060	5322 122 34098	10NF10%X7R 63V	223858015636	3084	4822 051 20223	22K00 5% 0,1W	213811201223
2061	4822 126 14585	100NF 10% X7R 0805 50V	222291016649	3085	4822 051 20102	1K00 5% 0,1W	213811201102
2062	9965 000 40838	CAPACITOR 220UF/450V	67G40A22115C	3086	4822 117 11139	1K5 1% 0,1W	213811201152
2063	4822 126 11524	1,5NF10% 1KV	202055790152	3088	4822 051 20229	22R00 5% 0,1W	213811201229
2064	2422 549 00746	SURGE PROTECT GS41-201MA A		3090	9965 000 40848	RST SM 0805 RC12H 1K2 PM1 R	61G08051201F
2065	4822 126 12105	CER2 0805 X7R 50V 33NF PM5	223858015643	3091	4822 117 10965	18K 1% 0,1W	232273461803
2066	9965 000 40849	6U8 50V KM	67G3056897CT	3092	4822 051 20471	470R00 5% 0,1W	213811201471
2067	2022 031 00273	ELCAP PF 25V S 100U PM20 A		3093	2122 101 02197	RST CRB CF1/6 A 4K7 PM5 A	
2068	2022 031 00273	ELCAP PF 25V S 100U PM20 A		3094	4822 117 10837	100K 1% 0,1W	213811201104
2069	2422 549 00746	SURGE PROTECT GS41-201MA A		3095	4822 117 11449	2K2 5% 0,1W 0805	232273462202
2070	2422 549 00746	SURGE PROTECT GS41-201MA A		3096	4822 117 10834	47K 1% 0,1W	213811201473
2071	2020 554 90157	SAFETY Y-CAP IN5		3097	4822 051 20223	22K00 5% 0,1W	213811201223
2072	4822 122 33127	2,2NF10%X7R 50V	223858015627	3098	2122 101 02201	RST CRB CF1/6 A 10K PM5 A	
2073	4822 126 13606	10N 2% 100V	203830150151	3099	4822 051 20105	1M00 5% 0,1W	213811201105
				5051	9965 000 40842	LINE FILTER RING CORE 10MH	73T174915HJ
				5054	9965 000 40842	LINE FILTER RING CORE 10MH	73T174915HJ
				5055	2422 549 00789	FIL PFC 300UH 0R085 S5032 Y	
				5055	2422 549 00792	FIL PFC 300UH 0R085 CP5001AL Y	
				5056	3138 168 74510	FERRITE BEAD	313816874511
				5057	3138 168 74510	FERRITE BEAD	313816874511
				5058	3138 168 74510	FERRITE BEAD	313816874511
				5059	3138 168 74510	FERRITE BEAD	313816874511
				5060	9965 000 40856	BEAD COIL	71G55907
				5061	9965 000 40857	47UH SMALL INDUCTOR	73T5447010T

9. Spare Parts List

5062	9965 000 40856	BEAD COIL	71G55907	CN104	9965 000 39671	RCA JACK G/B/R G/B/R 5105-885-2	88T7813902TN
5063	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621	CN105	9965 000 39669	RCA JACK 2*2 W/R W/R 5105-855-0	88T7813900TN
5065	9965 000 40856	BEAD COIL	71G55907	CN106	9965 000 39673	RCA JACK 2*1 W/R 5105-825-072-6	88T7813904TN
5067	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621	CN120	9965 000 39574	CONNECTOR 30P	33L803330FP
5071	2422 531 00112	TFM SMT LAYER S50360 Y		CN121	9965 000 39674	PUSH TERMINAL CONNECTOR	88T301900TN
5071	9965 000 40843	POWER TRANSFORMER	80TL42T907L	TU101	3139 147 23781	FRONTEND FQ1256/I H-5	
5073	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621				
5074	2422 536 01102	IND FXD OL1028H S 10UH PM10 Y		C101	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
5076	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621	C105	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
5077	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621	C108	9965 000 39653	CHIP 330PF 50V X7R	65L060333132
5078	3138 168 72620	BEAD COIL (BF30TA-2.5X3X1B)	313816872621	C109	9965 000 39653	CHIP 330PF 50V X7R	65L060333132
5079	9965 000 40844	INDUCTOR 8UH	73T253908T	C110	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
5080	2422 536 01187	IND FXD OL1028H S 15U PM10 Y		C112	9965 000 39616	CHIP 5PF -0.5PF 50V NPO	65G060350931
				C113	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6051	8238 277 01510	GBU8J	932213176671	C115	9965 000 39616	CHIP 5PF -0.5PF 50V NPO	65G060350931
6052	8238 277 18461	DIODE STTH8L06FP		C117	9965 000 39616	CHIP 5PF -0.5PF 50V NPO	65G060350931
6053	4822 130 80877	BAV103	932215305685	C118	9965 000 39624	CHIP 33PF 50V X7R	65T060333032
6053	4822 130 80877	BAV103	933699360115	C119	4822 126 13883	220PF 5% 50V	223886715221
6054	9965 000 40861	TRANSIENT SUPPRESSOR 120V 5W	823827735007	C120	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6054	9965 000 40858	TRANSIENT SUPPRESSOR 120V 5W	93G3991952T	C121	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6055	9965 000 40861	TRANSIENT SUPPRESSOR 120V 5W	823827735007	C122	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6055	9965 000 40858	TRANSIENT SUPPRESSOR 120V 5W	93G3991952T	C125	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6056	9322 221 63673	DIO REC UF1007 A (LITO) A		C126	9965 000 39628	10UF 16V 105 V TYPE	67T311F1003TGP
6056	9322 228 60673	DIO REC STTH110 (ST00) A		C129	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
6058	9965 000 40859	ZENER DIODE 9V1 1W	93G3991852T	C130	9965 000 39665	1000UF 16V 105DEG.	67L2151023
6059	5322 130 31938	BYV27-200	932210346673	C131	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
6059	5322 130 31938	BYV27-200	932212672673	C132	9965 000 39650	CHIP 100PF 50V X7R	65L060310132
6061	4822 130 80877	BAV103	932215305685	C133	9965 000 39650	CHIP 100PF 50V X7R	65L060310132
6061	4822 130 80877	BAV103	933699360115	C136	9965 000 39555	820PF 50V -5% NPO	65T060382131
6062	4822 130 31607	RGP10D	932212669673	C156	9965 000 39651	CHIP 1000PF 50V X7R	65L060310232
6062	9322 210 87673	DIO REC RGP10D A (GULF) A		C157	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6062	4822 130 31607	RGP10D	933751660673	C158	9965 000 39651	CHIP 1000PF 50V X7R	65L060310232
6063	4822 130 80877	BAV103	932215305685	C159	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
6063	4822 130 80877	BAV103	933699360115	C160	9965 000 39628	10UF 16V 105 V TYPE	67T311F1003TGP
6064	4822 130 31607	RGP10D	932212669673	C163	9965 000 39573	CAP CHIP 0603 33P 50V NPO /-5%	65G060333031J
6064	9322 210 87673	DIO REC RGP10D A (GULF) A		C164	9965 000 39573	CAP CHIP 0603 33P 50V NPO /-5%	65G060333031J
6064	4822 130 31607	RGP10D	933751660673	C165	9965 000 39651	CHIP 1000PF 50V X7R	65L060310232
6065	4822 130 80877	BAV103	932215305685	C166	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6065	4822 130 80877	BAV103	933699360115	C167	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6066	4822 130 31607	RGP10D	932212669673	C168	9965 000 39651	CHIP 1000PF 50V X7R	65L060310232
6066	9322 210 87673	DIO REC RGP10D A (GULF) A		C169	9965 000 39651	CHIP 1000PF 50V X7R	65L060310232
6066	4822 130 31607	RGP10D	933751660673	C170	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6067	4822 130 34233	BZX79-B5V1	933117720133	C171	9965 000 39628	10UF 16V 105 V TYPE	67T311F1003TGP
6067	9337 128 80673	DIO REG BZX55-C5V1 A (VISH) A		C172	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6071	9322 192 03687	DIO REC STPS20H100CFP (ST00) L	932219930687	C173	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6071	9322 199 32687	DIO REC STPS10H100CFP (ST00) L		C174	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6072	4822 130 80877	BAV103	932215305685	C175	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6072	4822 130 80877	BAV103	933699360115	C176	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6073	4822 130 80877	BAV103	932215305685	C177	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6073	4822 130 80877	BAV103	933699360115	C178	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
6074	9331 178 10133	DIO REG BZX79-C12 A (PHSE) A		C179	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6074	9337 129 30673	DIO REG BZX55-C12 A (VISH) A		C180	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6075	9337 127 60673	DIO REG BZX55-B18 A (VISH) A	933166930133	C181	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6075	9337 127 60673	DIO REG BZX55-B18 A (VISH) A		C182	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6076	9322 226 35687	DIO REC STPS40H100CW (ST00) L		C183	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6077	4822 130 80877	BAV103	932215305685	C184	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6077	4822 130 80877	BAV103	933699360115	C185	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6081	9331 178 10133	DIO REG BZX79-C12 A (PHSE) A		C186	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
6081	9337 129 30673	DIO REG BZX55-C12 A (VISH) A		C187	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C188	2238 586 15636	10NF 10% X7R 50V 0603	
7056	8238 277 17551	PFC CONTROLLER IC		C189	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7057	8238 277 17301	TRANSISTOR 26A 600V		C190	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7061	9352 673 56112	IC TEA1507P/N1 (PHSE) L		C191	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7062	9322 226 34687	FET POW-STW18NK80Z (ST00) L		C192	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7063	4822 130 41327	BC327-40	933179570126	C193	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7063	9339 534 10676	TRA SIG TBC328-40 (TOSJ) A		C194	9965 000 39628	10UF 16V 105 V TYPE	67T311F1003TGP
7072	8238 274 02070	TCET1103G	932214014667	C195	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7073	4822 209 14933	TL431IZ	932208697676	C196	9965 000 39629	3.3UF 16V 105 V TYPE SV SERIES	67T311F3393T
7074	8238 274 02070	TCET1103G	932214014667	C197	9965 000 39629	3.3UF 16V 105 V TYPE SV SERIES	67T311F3393T
7075	4822 130 41782	BF422	932214469676	C198	9965 000 39618	CHIP 10UF 16V X5R	65G120610615
7075	4822 130 41782	BF422	933705890676	C199	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7076	4822 130 44503	BC547C	932209011673	C200	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7076	9331 976 70126	TRA SIG BC548C (PHSE) A		C201	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7076	9335 535 30676	TRA SIG TBC548C (TOSJ) A		C202	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7077	5322 130 42756	BC857C	933967380685	C205	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7079	5322 130 42755	BC847C	933589600215	C206	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
7079	5322 130 42136	BC848C	933589640215	C207	9965 000 39647	CHIP 0603 15PF 50V NPO	65G060315031
7079	5322 130 42755	BC847C	933967270685	C208	9965 000 39647	CHIP 0603 15PF 50V NPO	65G060315031
7079	5322 130 42755	BC847C	933967310685	C209	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C210	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C211	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C212	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C214	9965 000 39663	470UF 10V 105 8*9	67A305M4712
				C216	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C217	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C218	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527
				C221	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
				C222	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422

PCB Assy


9965 000 40816 SCALER PCB ASSY

Various

CN101 9965 000 39668 DB15 RIGHT ANGLE FEMALE 88G35315FH
 CN102 9965 000 39676 HDMI HEADER 19P 47151-1102 88T34019TNP
 CN103 9965 000 39670 RCA JACK S JACK Y/B 5105-825- 88T7813901TN











C223	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C317	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C224	9965 000 31079	1UF -10% 6V X7R	65T080510517	C318	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C225	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C319	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C226	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C320	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C227	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C321	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C228	9965 000 39655	CHIP 2700PF 50V X7R	65T060327232	C322	9965 000 39657	CHIP 4700PF 50V X7R	65T060347232
C229	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C323	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C230	9965 000 39655	CHIP 2700PF 50V X7R	65T060327232	C324	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C231	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C325	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512
C232	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C326	9965 000 39657	CHIP 4700PF 50V X7R	65T060347232
C233	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C327	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C234	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C328	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C235	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C329	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C236	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C330	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C237	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C331	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C238	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C332	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C239	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C333	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C240	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C334	9965 000 39571	1000UF 20% 25V 105C	67G3051024L
C241	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C335	9965 000 31083	CHIP 0.47UF 25V Y5V	65T080547422
C242	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C336	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C243	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C337	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C244	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C338	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C245	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C339	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C246	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C340	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C247	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C341	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C248	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C342	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C249	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C343	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C250	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C344	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C251	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C345	9965 000 39630	100UF 16V 105 V TYPE UX SERIES	67T311H1013TGP
C252	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C346	9965 000 39650	CHIP 100PF 50V X7R	65L060310132
C253	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C347	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C254	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C348	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C255	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C349	9965 000 39617	CHIP 1UF 25V X7R 0805	65G080510522GP
C256	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C350	9965 000 39627	SMD EC 10UF 35V 85C C SIZE	67L3121006
C257	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C351	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C258	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C352	9965 000 39652	CHIP 1UF 16V X7R	65L060310512
C259	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C353	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C260	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C354	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C261	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C355	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C262	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C356	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C263	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C357	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C264	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C358	9965 000 39630	100UF 16V 105 V TYPE UX SERIES	67T311H1013TGP
C265	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C359	9965 000 39617	CHIP 1UF 25V X7R 0805	65G080510522GP
C266	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C360	9965 000 31259	CHIP 220PF 50V NPO	65T060322132
C267	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C361	9965 000 39650	CHIP 100PF 50V X7R	65L060310132
C268	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C362	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C269	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527	C363	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C270	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C364	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C271	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C365	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C272	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C366	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C273	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C367	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617
C274	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C368	9965 000 39652	CHIP 1UF 16V X7R	65L060310512
C275	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C369	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C276	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C370	9965 000 31254	CHIP 100PF 50V NPO	65T060310132
C277	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C371	9965 000 31083	CHIP 0.47UF 25V Y5V	65T080547422
C278	9965 000 39657	CHIP 4700PF 50V X7R	65T060347232	C372	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C279	9965 000 39657	CHIP 4700PF 50V X7R	65T060347232	C373	9965 000 39654	CHIP 0.22UF 25V X7R	65T060322422
C280	9965 000 39657	CHIP 4700PF 50V X7R	65T060347232	C378	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C281	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C379	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C282	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C381	9965 000 39615	CHIP 0.047UF 50V X7R	65G060347332
C283	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C382	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C284	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	C383	9965 000 39664	ELCAP SM HV 25V/470U	67G215W4714K
C291	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C384	4822 126 13883	220PF 5% 50V	223886715221
C292	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C385	9965 000 39649	CHIP 0.022UF 50V NPO	65G060322331
C293	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C386	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C294	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C387	9965 000 39570	100UF -20% 35V 105 D C	67G3051016T
C295	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C389	9965 000 39626	ELCAP SM HV 25V 47U PM20	67G3114704
C296	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C390	9965 000 39615	CHIP 0.047UF 50V X7R	65G060347332
C297	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C391	9965 000 39664	ELCAP EB 25V/470U	67G215W4714K
C298	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C392	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C299	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C393	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C300	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C394	9965 000 39570	100UF -20% 35V 105 D C	67G3051016T
C301	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C395	4822 126 13883	220PF 5% 50V	223886715221
C302	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	C396	9965 000 39649	CHIP 0.022UF 50V NPO	65G060322331
C303	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C397	9965 000 39664	ELCAP EB 25V/470U	67G215W4714K
C304	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C398	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C305	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C399	9965 000 39620	0.01UF -10% 50V X7R	65L060310332
C306	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C400	9965 000 39570	100UF -20% 35V 105 D C	67G3051016T
C307	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	C401	4822 126 13883	220PF 5% 50V	223886715221
C308	9965 000 39656	CHIP 47PF 50V X7R	65T060347032	C402	9965 000 39649	CHIP 0.022UF 50V NPO	65G060322331
C309	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C403	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527
C310	9965 000 39622	CHIP 15PF 50V NPO	65T060315031	C404	9965 000 39619	CHIP 4.7UF -10% 25 V Y5V	65G120647527
C311	9965 000 39573	CAP CHIP 0603 33P 50V NPO -/5%	65G060333031J	C405	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C312	9965 000 39573	CAP CHIP 0603 33P 50V NPO -/5%	65G060333031J	C406	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C313	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C407	9965 000 39625	ELCAP SM HV 16V 22U PM20	67G3112203
C314	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C408	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422
C315	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C409	9965 000 39625	ELCAP SM HV 16V 22U PM20	67G3112203
C316	9965 000 39612	CHIP 1UF 16VX7R 0603	65G060310512	C410	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422

9. Spare Parts List

C411	9965 000 39625	ELCAP SM HV 16V 22U PM20	67G3112203	R171	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C412	9965 000 39626	ELCAP SM HV 25V 47U PM20	67G3114704	R172	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C414	9965 000 39625	ELCAP SM HV 16V 22U PM20	67G3112203	R173	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C415	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	R174	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C416	9965 000 39615	CHIP 0.047UF 50V X7R	65G060347332	R175	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C417	9965 000 39626	ELCAP SM HV 25V 47U PM20	67G3114704	R176	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R	
C418	9965 000 39625	ELCAP SM HV 16V 22U PM20	67G3112203	R177	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C419	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	R178	4822 051 30221	220R00 5% 0,062W	212211805647
C420	9965 000 39619	CHIP 4.7UF 25 V Y5V	65G120647527	R179	2122 118 05644	RST SM 0603 RC0603 120R PM5 R	
C421	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	R180	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
C422	9965 000 31326	CHIP 10UF 16V Y5V	65T120610617	R181	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
C423	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	R183	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
C424	9965 000 39620	0.01UF -10% 50V X7R	65L060310332	R184	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
C425	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	R185	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
C426	9965 000 39621	CHIP 0.1UF 25V X7R	65T060310422	R186	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
CP101	2252 106 05649	CHIP ARRAY 0.1UF 8P		R189	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
CP102	2252 106 05649	CHIP ARRAY 0.1UF 8P		R190	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
CP103	2252 106 05649	CHIP ARRAY 0.1UF 8P		R191	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
CP104	2252 106 05649	CHIP ARRAY 0.1UF 8P		R192	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
CP105	2252 106 05649	CHIP ARRAY 0.1UF 8P		R195	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
CP106	2252 106 05649	CHIP ARRAY 0.1UF 8P		R196	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
CP107	2252 106 05649	CHIP ARRAY 0.1UF 8P		R197	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
				R198	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R103	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R199	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R104	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R200	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R105	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R201	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R106	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R203	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R107	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R204	9965 000 23109	RES C 22 OHM/0603/5%	212211805637
R108	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R205	9965 000 23109	RES C 22 OHM/0603/5%	212211805637
R109	2122 118 05674	RST SM 0603 RC0603 22K PM5 R		R206	2122 118 05638	RST SM 0603 RC0603 33R PM5 R	
R110	4822 051 30471	470R00 5% 0,062W	212211805652	R207	9965 000 23109	RES C 22 OHM/0603/5%	212211805637
R112	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R208	9965 000 23109	RES C 22 OHM/0603/5%	212211805637
R113	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R209	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R114	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R210	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R115	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R211	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R116	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R212	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R117	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R213	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R118	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R214	9965 000 23109	RES C 22 OHM/0603/5%	212211805637
R119	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R215	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R120	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R216	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R121	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R217	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R122	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R		R218	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R123	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R		R220	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R124	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R221	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R125	2122 118 05656	RST SM 0603 RC0603 1K PM5 R		R222	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R126	2122 118 05674	RST SM 0603 RC0603 22K PM5 R		R223	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R127	2122 118 05656	RST SM 0603 RC0603 1K PM5 R		R224	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R128	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R225	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R129	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R228	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R130	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R229	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R131	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R230	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R132	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R231	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R133	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R232	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R135	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R233	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R136	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R234	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R138	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R235	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R139	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R236	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R140	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R		R237	2122 118 05649	RST SM 0603 330R PM5	
R141	2122 118 05635	RST SM 0603 RC0603 10R PM5 R		R238	2122 118 05649	RST SM 0603 330R PM5	
R142	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R239	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R143	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R240	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R144	2122 118 05642	RST SM 0603 RC0603 47K PM5 R		R241	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R145	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R242	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R146	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R243	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R147	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R244	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R148	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R246	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R149	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R247	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R150	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R248	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R151	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R249	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R152	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R251	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R153	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R252	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R154	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R253	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R155	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R254	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R156	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R255	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R157	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R256	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R158	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R257	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R159	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R258	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R160	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R259	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R161	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R260	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R162	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R261	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R163	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R262	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R164	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R263	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R165	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R266	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R166	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R267	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R167	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R268	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R168	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R269	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R169	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R		R270	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R170	2122 118 05678	RST SM 0603 RC0603 47K PM5 R		R271	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	

R272	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R396	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R273	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R397	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R275	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R398	2122 118 05643	RST SM 0603 RC0603 100R PM5 R	
R276	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R399	2122 118 05675	RST SM 0603 RC0603 27K PM5 R	
R277	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R400	2122 118 05674	RST SM 0603 RC0603 22K PM5 R	
R278	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R401	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R279	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R402	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R	
R282	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R403	2122 118 05667	RST SM 0603 RC0603 6K8 PM5 R	
R283	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R404	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R284	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R405	2122 118 05674	RST SM 0603 RC0603 22K PM5 R	
R285	2122 118 05635	RST SM 0603 RC0603 10R PM5 R		R406	2122 118 05667	RST SM 0603 RC0603 6K8 PM5 R	
R286	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R407	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R	
R287	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R408	2122 118 05944	RST SM 0603 RC0603 120K PM5 R	
R288	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R409	2122 118 05674	RST SM 0603 RC0603 22K PM5 R	
R289	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		R410	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R290	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R411	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R291	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R413	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R	
R292	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R414	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R293	2122 118 05635	RST SM 0603 RC0603 10R PM5 R		R415	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R	
R294	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R416	2122 118 05674	RST SM 0603 RC0603 22K PM5 R	
R295	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R417	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R296	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		R418	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R297	2122 118 05642	RST SM 0603 RC0603 75R PM5 R		R420	2122 118 05639	RST SM 0603 RC0603 47R PM5 R	
R298	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R421	2122 118 05639	RST SM 0603 RC0603 47R PM5 R	
R299	2122 118 05638	RST SM 0603 RC0603 33R PM5 R		R422	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R300	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R423	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R301	4822 051 30471	470R00 5% 0,062W	212211805652	R424	2122 118 05683	RST SM 0603 RC0603 100K PM5 R	
R306	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R426	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R307	4822 051 30471	470R00 5% 0,062W	212211805652	R427	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R308	4822 051 30569	56R00 5% 0,062W	212211805843	R428	2122 118 05666	RST SM 0603 RC0603 5K6 PM5 R	
R314	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R429	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R	
R316	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R430	2122 118 05665	RST SM 0603 RC0603 10K PM5 R	
R317	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R431	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R319	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R432	2122 118 05683	RST SM 0603 RC0603 100K PM5 R	
R320	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R433	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R321	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R434	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R323	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R435	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R324	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R437	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R	
R326	2122 118 05635	RST SM 0603 RC0603 10R PM5 R		R439	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R327	2122 118 05635	RST SM 0603 RC0603 10R PM5 R		R440	9965 000 39642	CHIP 24KOHM 1/16W	61L0603243
R330	9965 000 39639	CHIP ARRAY 100OHM 1/16W 8P4R	61L1251018	R442	9965 000 39646	CHIP 2.7K OHM 1/16W	61V06032701F
R331	9965 000 39639	CHIP ARRAY 100OHM 1/16W 8P4R	61L1251018	R443	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R332	9965 000 39639	CHIP ARRAY 100OHM 1/16W 8P4R	61L1251018	R444	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R333	9965 000 39639	CHIP ARRAY 100OHM 1/16W 8P4R	61L1251018	R445	2122 118 05683	RST SM 0603 RC0603 100K PM5 R	
R334	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R447	2122 118 05656	RST SM 0603 RC0603 1K PM5 R	
R336	2122 118 05656	RST SM 0603 RC0603 1K PM5 R		R448	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R337	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R449	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R338	2122 118 05656	RST SM 0603 RC0603 1K PM5 R		R450	2122 118 05669	RST SM 0603 RC0603 10K PM5 R	
R339	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		R453	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
R340	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R455	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R341	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R		R456	2122 118 05665	RST SM 0603 RC0603 4K7 PM5 R	
R342	9965 000 39645	CHIP 22OHM 5% 1/4W	61L1206220	RP101	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R343	9965 000 39645	CHIP 22OHM 5% 1/4W	61L1206220	RP102	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R344	9965 000 39591	CHIP 51OHM 1/16W	61A0603510	RP103	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R345	9965 000 39591	CHIP 51OHM 1/16W	61A0603510	RP104	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R346	9965 000 39598	0603 15 OHM 1/10W	61L0603150	RP105	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R347	9965 000 39598	0603 15 OHM 1/10W	61L0603150	RP106	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R348	9965 000 39598	0603 15 OHM 1/10W	61L0603150	RP107	9965 000 39592	CHIP ARRAY O OHM 1/16W8P4R	61L1250008
R349	9965 000 39598	0603 15 OHM 1/10W	61L0603150	RP108	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R367	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		RP109	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R368	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R		RP110	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R369	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		RP111	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R370	2122 118 05661	RST SM 0603 RC0603 2K2 PM5 R		RP112	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R371	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		RP113	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R372	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		RP114	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R373	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		RP115	9965 000 39610	CHIP ARRAY 15 OHM 1/16W 8P4R	61V1251508
R374	2122 118 05687	RST SM 0603 RC0603 470K PM5 R					
R375	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		FB101	9965 000 39631	CHIP BEAD 120 OHM	71G56K121
R376	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		FB102	9965 000 39631	CHIP BEAD 120 OHM	71G56K121
R377	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB103	9965 000 39633	CHIP BEAD 30 OHM 0603 FCM1608CF-	71G59C300
R378	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB104	9965 000 39633	CHIP BEAD 30 OHM 0603 FCM1608CF-	71G59C300
R379	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		FB105	9965 000 39633	CHIP BEAD 30 OHM 0603 FCM1608CF-	71G59C300
R380	2122 118 05687	RST SM 0603 RC0603 470K PM5 R		FB106	9965 000 39631	CHIP BEAD 120 OHM	71G56K121
R381	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB107	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R	
R382	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB108	9965 000 39556	CHIP BEAD	71T56K121M
R383	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		FB109	9965 000 39556	CHIP BEAD	71T56K121M
R384	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB110	9965 000 39556	CHIP BEAD	71T56K121M
R385	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB111	9965 000 39556	CHIP BEAD	71T56K121M
R386	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB112	9965 000 39556	CHIP BEAD	71T56K121M
R387	2122 118 05669	RST SM 0603 RC0603 10K PM5 R		FB113	9965 000 39556	CHIP BEAD	71T56K121M
R388	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB114	9965 000 39556	CHIP BEAD	71T56K121M
R389	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB115	9965 000 39556	CHIP BEAD	71T56K121M
R390	2122 118 05643	RST SM 0603 RC0603 100R PM5 R		FB116	9965 000 39556	CHIP BEAD	71T56K121M
R391	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB117	9965 000 39556	CHIP BEAD	71T56K121M
R392	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB118	9965 000 39556	CHIP BEAD	71T56K121M
R393	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB119	9965 000 39556	CHIP BEAD	71T56K121M
R394	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB120	9965 000 39556	CHIP BEAD	71T56K121M
R395	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R		FB121	9965 000 39556	CHIP BEAD	71T56K121M

9. Spare Parts List

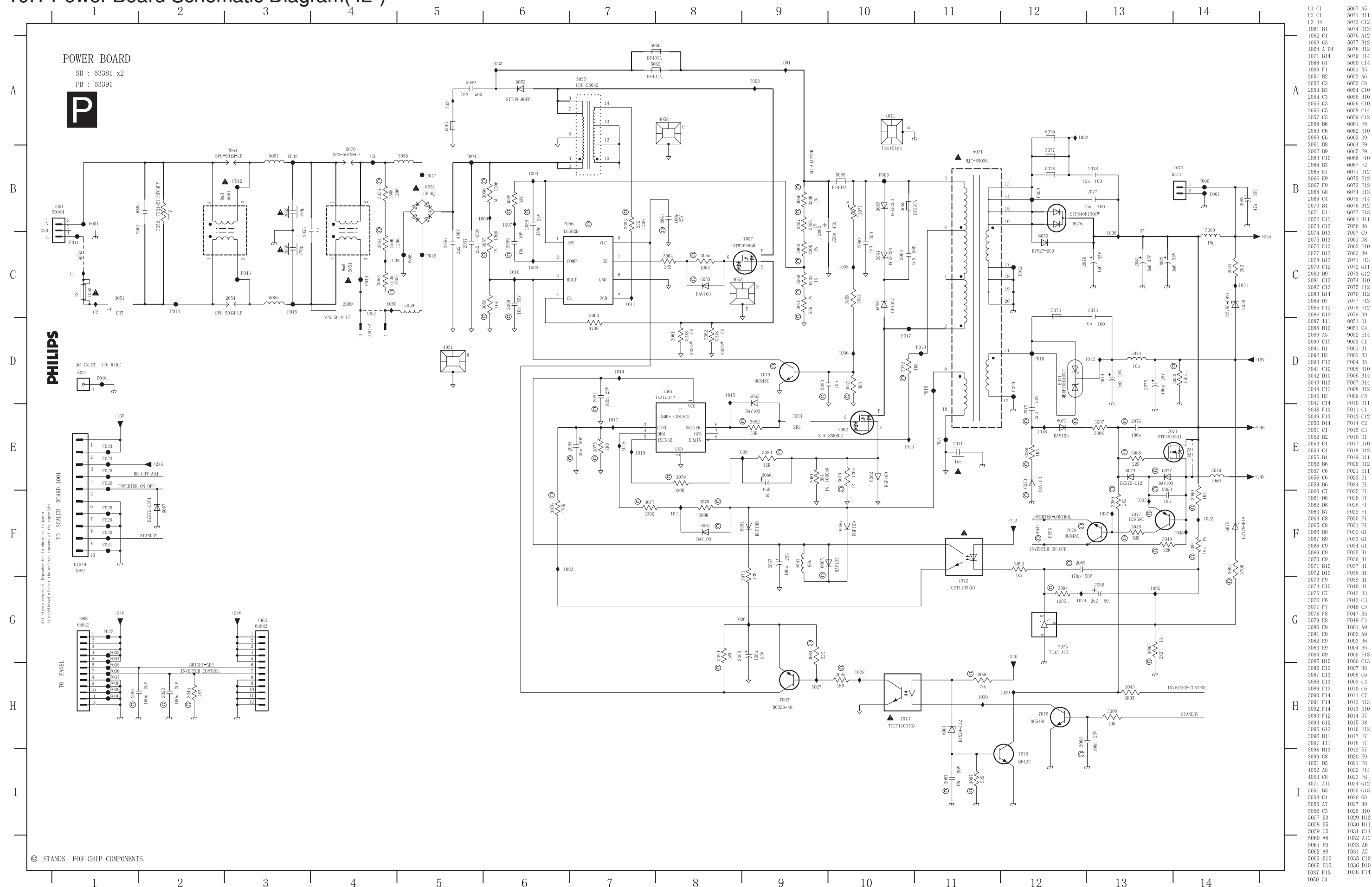
FB122	9965 000 39556	CHIP BEAD	71T56K121M	U102	9965 000 40821	AT24C02BN-10SU-1.8(ATMEL/ WPI)	56T1133907
FB123	9965 000 39556	CHIP BEAD	71T56K121M	U103	9965 000 40822	74LVC14APW	56G4LCX14PH
FB124	9965 000 39556	CHIP BEAD	71T56K121M	U104	9322 206 24668	IC SM M24C02-WMN6P (ST00) R	932214526668
FB125	9965 000 39556	CHIP BEAD	71T56K121M	U104	9965 000 40821	AT24C02BN-10SU-1.8(ATMEL/ WPI)	56T1133907
FB126	9965 000 39556	CHIP BEAD	71T56K121M	U105	9965 000 40823	IC IP4776CZ38(TSSOP38)	56T662900
FB127	9965 000 39556	CHIP BEAD	71T56K121M	U106	9965 000 40824	FLASH ASSY???????????	705TPNK056004
FB128	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U107	9965 000 39661	M30300SAGP	56T1125182
FB129	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U108	9965 000 40825	EEPROM ASSY	705TPNK056003
FB130	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U110	9965 000 39564	IC SVP-PX66 BGA336	56T562900
FB131	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U111	9965 000 39565	IC CS4344-CZZ TSSOP-1	56T567900
FB132	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U112	9965 000 39581	GDDR SDRAM K4D263238G-VC 33	56K615602
FB133	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U112	9965 000 40826	HY5DU283222BFP-33 (HYNIX/ WPI)	56T615907
FB134	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U118	9965 000 39584	IC MSP3410G-QI-B8V3PMQFP64 MICR	56T593901
FB135	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U119	4822 209 15765	74HC4052D	933714830653
FB136	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U120	9965 000 40827	IC TDA1308T/N2 SO8	56G613900
FB137	9965 000 39658	CHIP BEAD 150 OHM TB201209G151N	71T56G151B	U121	9322 220 37668	IC SM TPA3008D2PHP (TI00) R	
FB138	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U122	9322 166 38668	TRANS.SI5441DC	
FB139	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U123	9322 190 76668	IC SM L5972D (ST00) R	
FB140	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U124	9322 166 38668	TRANS.SI5441DC	
FB141	9965 000 39556	CHIP BEAD	71T56K121M	U125	9322 190 76668	IC SM L5972D (ST00) R	
FB142	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U126	9322 190 76668	IC SM L5972D (ST00) R	
FB143	9965 000 39556	CHIP BEAD	71T56K121M	U127	9322 220 75668	IC SM AME1117BCGTZ (ST00) R	
FB144	9965 000 39556	CHIP BEAD	71T56K121M	U127	9965 000 39578	AP1117E25A	56G5855A
FB145	9965 000 39556	CHIP BEAD	71T56K121M	U128	9965 000 39582	IC AP1117E18LA ANACHIP	56T56327A
FB146	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U128	9965 000 40828	AME1117ECGTZ	56T563909
FB147	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U129	9322 166 38668	TRANS.SI5441DC	
FB149	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U130	9965 000 39576	IC AME1084ECDTZ(TO-263)	56G563925
FB151	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U131	9965 000 39577	AP1117E33LA	56G5854A
FB152	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U132	9965 000 39567	IC PCA9512ADP TSSOP-8	56T665904
FB154	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U133	9965 000 39637	AP1701FWL	56K643600
FB155	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		U133	9965 000 40829	AME8500AEETAF26Z	56T643904
FB156	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R					
FB157	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		PCB Assy			
FB158	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R			9965 000 40819	IR PCB ASSY	
FB159	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R					
FB160	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		Various			
FB161	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		SW001	4822 276 14028		243812800196
FB162	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		SW002	4822 276 14028		243812800196
FB163	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R					
FB164	2422 549 45579	IND FXD 1206 EMI 100MHZ 100R R		C001	9965 000 40830	CHIP 0.1UF 16V X7R	65T060310412GP
L101	9965 000 39660	CHIP INDUCTOR 2.2UH 10% FLMA- 3	73T12622910K	C002	9965 000 40830	CHIP 0.1UF 16V X7R	65T060310412GP
L102	9965 000 39660	CHIP INDUCTOR 2.2UH 10% FLMA- 3	73T12622910K				
L103	9965 000 39660	CHIP INDUCTOR 2.2UH 10% FLMA- 3	73T12622910K	R001	4822 051 30221	220R00 5% 0,062W	212211805647
L104	9965 000 39660	CHIP INDUCTOR 2.2UH 10% FLMA- 3	73T12622910K	R002	4822 051 30221	220R00 5% 0,062W	212211805647
L105	9965 000 39660	CHIP INDUCTOR 2.2UH 10% FLMA- 3	73T12622910K	R003	9965 000 40832	100OHM 5% 1/4W	61T17210152T
L106	9965 000 39660	CHIP INDUCTOR 2.2UH 10% FLMA- 3	73T12622910K	R004	9965 000 40833	4.7KOHM 5% 1/6W	61T60247252T
L107	9965 000 39667	CHOKE COIL 33UH	73L253128L	R005	9965 000 40833	4.7KOHM 5% 1/6W	61T60247252T
L108	9965 000 39667	CHOKE COIL 33UH	73L253128L				
L109	9965 000 39659	CHIP INDUCTOR 2.2UH 10% FLMA-	73T6322910K	D001	9322 193 82682	LED VS L-3WSYKPBW (KIEL) B	
L110	9965 000 39659	CHIP INDUCTOR 2.2UH 10% FLMA-	73T6322910K				
L111	9965 000 39667	CHOKE COIL 33UH	73L253128L	Q001	9965 000 40831	BC857 SOT23	57G761900T
L112	9965 000 39667	CHOKE COIL 33UH	73L253128L	Q002	9965 000 40831	BC857 SOT23	57G761900T
L113	3138 188 75691	COI CHOKE 35UH 82M OHM DR10X8		U001	9322 203 13667	IR RECEIVER TSOP34136SB1 L	
L114	3138 188 75691	COI CHOKE 35UH 82M OHM DR10X8					
L115	3138 188 75691	COI CHOKE 35UH 82M OHM DR10X8		PCB Assy			
					9965 000 40817	KEY CONTROL PCB ASSY	
D101	4822 130 80446	BAS32L	933913910115				
D105	4822 130 80446	BAS32L	933913910115	C101	2238 916 15649	CER2 0603 X7R 25V 100N PM10 R	
D112	4822 130 80446	BAS32L	933913910115				
D113	4822 130 80446	BAS32L	933913910115	R101	2122 118 05673	RST SM 0603 RC0603 18K PM5 R	
D114	5322 130 34337	BAV99	932205042685	R102	9965 000 39560	CHIP 3.6KOHM 1% 1/10W	61L06033601F
D115	4822 130 80446	BAS32L	933913910115	R103	2122 118 05656	RST SM 0603 RC0603 1K PM5 R	
D116	9322 217 45685	DIO REC SM SSA34 (VISH) R		R104	2122 118 05666	RST SM 0603 RC0603 5K6 PM5 R	
D117	9322 217 45685	DIO REC SM SSA34 (VISH) R		R105	2122 118 05678	RST SM 0603 RC0603 47K PM5 R	
D118	9322 217 45685	DIO REC SM SSA34 (VISH) R					
X101	9965 000 39679	CRYSTAL 10.000MHZ 30PF AGX-49U/S	93T2281B	PCB Assy			
X102	9965 000 39678	CRYSTAL 28.322MHZ 49U/S	93T2279B		9965 000 40818	SIDE_AV PCB ASSY	
X103	9965 000 39677	CRYSTAL 18.432MHZ HC49US	93G2268BJ				
ZD101	9965 000 39636	BZT52C5V1-7-F SOD-123	93T39S72T	C031	9965 000 31330	CHIP 0.0068UF 50V X7R 0	65T060368232
				C032	9965 000 31330	CHIP 0.0068UF 50V X7R 0	65T060368232
Q101	5322 130 42755	BC847C	933589600215	C036	9965 000 39555	820PF 50V -5% NPO	65T060382131
Q102	5322 130 42755	BC847C	933589600215				
Q104	9965 000 39590	FET 2N7002E VISHAY	57T7581	R031	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
Q106	4822 130 10829	MUN2211J	932209265685	R032	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
Q107	4822 130 10829	MUN2211J	932209265685	R033	2122 118 05964	RST SM 0603 RC0603 75R PM1 R	
Q108	4822 130 10829	MUN2211J	932209265685	R034	2122 118 05964	RST SM 0603 RC0603 75R PM1 R	
Q109	4822 130 10829	MUN2211J	932209265685	R035	2122 118 05631	RST SM 0603 JUMP. MAX 0R05 R	
Q112	4822 130 10829	MUN2211J	932209265685	R036	9965 000 39550	CHIPR 75 OHM -5% 1/10W	61A0603750
U101	9965 000 39568	IC 74LV4053PW TSSOP16	56T665906				
U102	9322 206 24668	IC SM M24C02-WMN6P (ST00) R	932214526668				

R037	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R
R038	2122 118 05663	RST SM 0603 RC0603 3K3 PM5 R
R039	2122 118 05678	RST SM 0603 RC0603 47K PM5 R
R040	2122 118 05678	RST SM 0603 RC0603 47K PM5 R
R041	2122 118 05678	RST SM 0603 RC0603 47K PM5 R
R042	2122 118 05678	RST SM 0603 RC0603 47K PM5 R



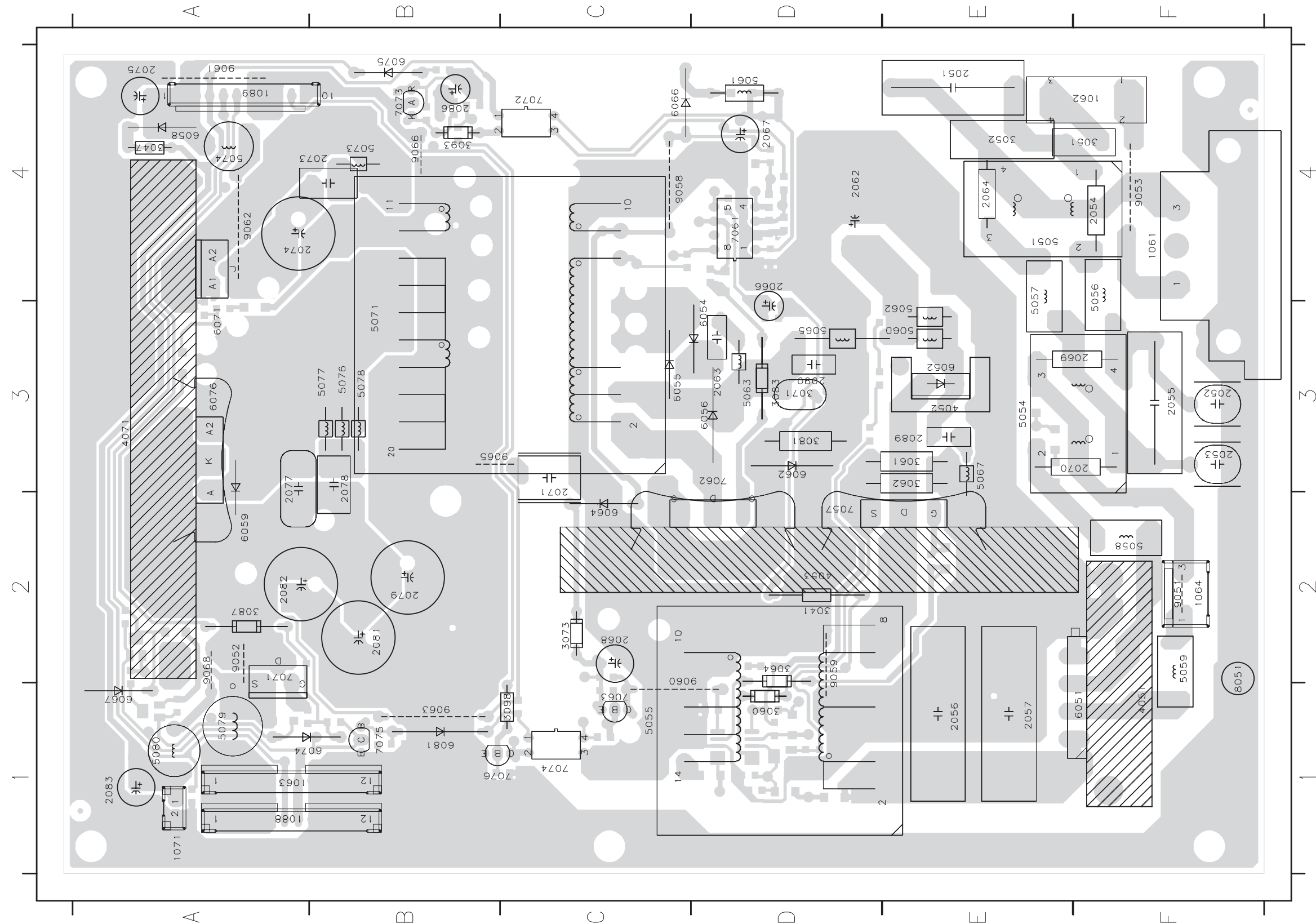
FB031	9965 000 39556	CHIP BEAD	71T56K121M
FB032	9965 000 39556	CHIP BEAD	71T56K121M

10.1 Power Board Schematic Diagram(42")

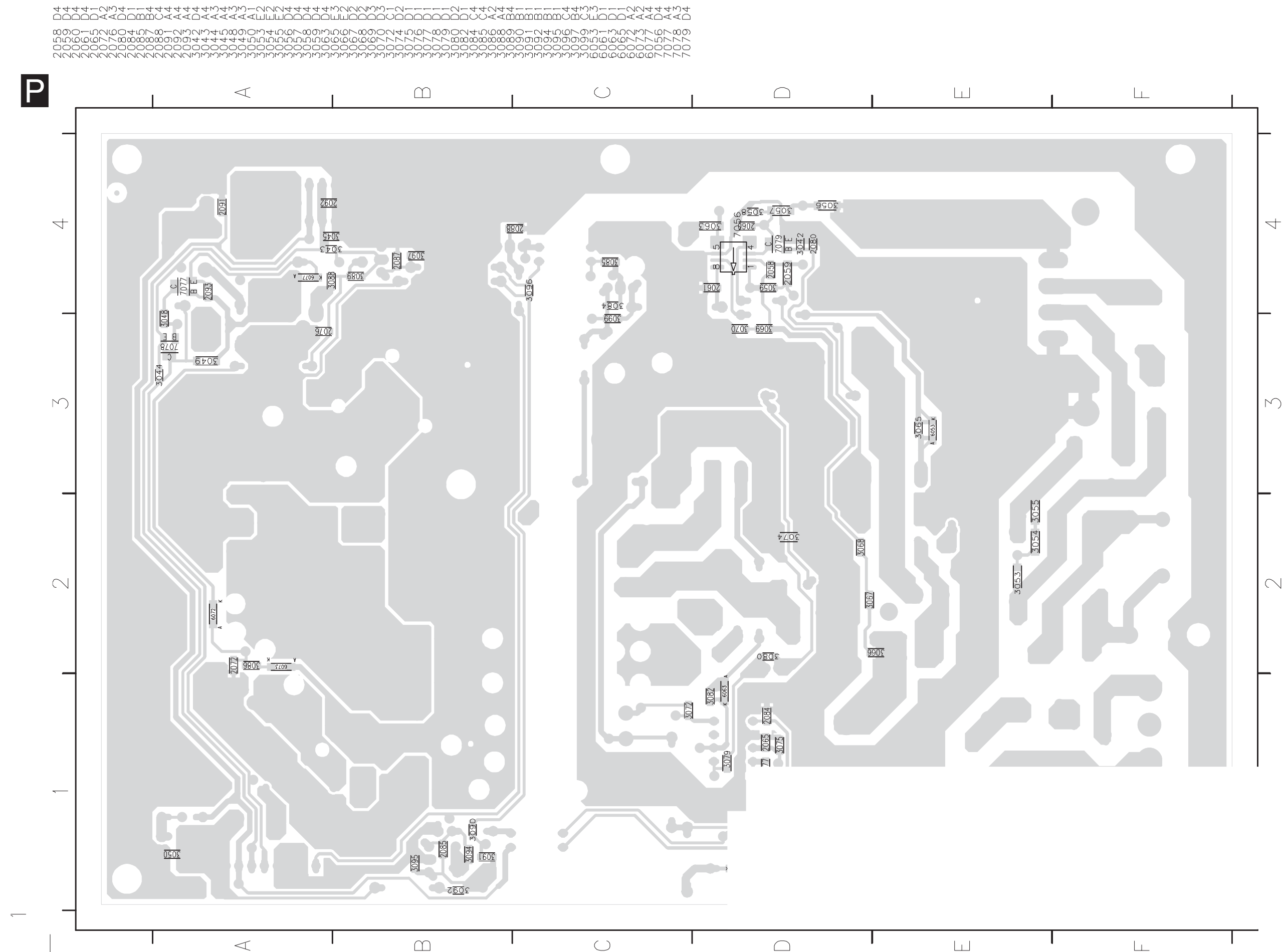


10.1 Power Board Layouts - 1(42")

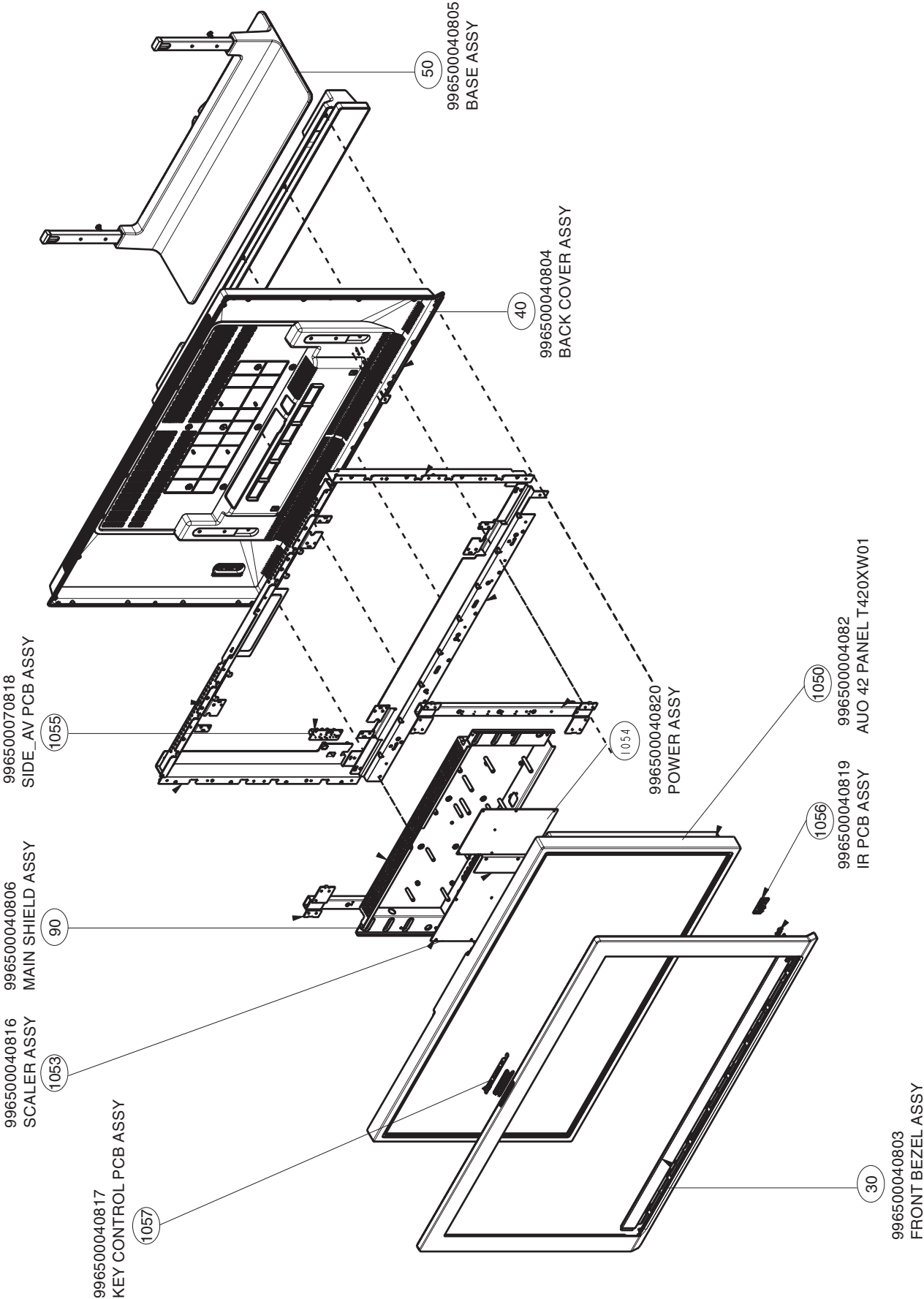
P



10.1 Power Board Layouts - 2(42")



10.2 42" Exploded View



Diversity of 37TA2000/93 compared with 37TA1800/93

TPV 18NC	Description	Philips 12NC
	867000027476	37TA2000/93
	POWER BUTTON	3138 154 17551
	CUSHION - BTM-BA-R	3138 156 42191
	CUSHION - BTM-BB-L	3138 156 42201
	CUSHION - BTM-BB-R	3138 156 42211
	CABLE BOX	3138 156 42221
	BASE ASSY	3138 157 60821
089G414A15NLS1	POWER CORD	9965 000 42157
098TRASW1BTPHR	REMOTE CONTROLLER	9965 000 42161
705GZ-000054	BEZEL ASSY	9965 000 42162

Diversity of 42TA2000/93 compared with 42TA1800/93

TPV 18NC	Description	Philips 12NC
	867000027477	42TA2000/93
089G414A15NLS1	POWER CORD	9965 000 42157
078TW42904M	SPEAKER 8 OHM 10W PE254ABG BLACK	9965 000 42122
P33T003014F	POWER BUTTON	9965 000 42164
P11T00091	SMALL PLASTIC HANDLE	9965 000 42163
705GZ-000056	BEZEL ASSY	9965 000 42162
098TRASW1BTPHR	REMOTE CONTROLLER	9965 000 42161
095T801830943F	LVDS CABLE 46416	9965 000 42160
095T801414935F	AUO INVERTER CABLE (SHORT) JFE 4	9965 000 42159
095T801412932F	AUO INVERTER CABLE (LONG) JFE 46	9965 000 42158
705GZ-000057	Base assy	

Model: 42TA1800/93(LPL) 12NC: 8639 000 17107

TPV 18NC	DESCRIPTION				
078TW42904M	SPEAKER 8 OHM 10W PE254ABG BLACK	063G214J225GNH	CAP MPP 2.2uF 450V 5%	065G080510332K	CAP CHIP 0805 10N 50V X7R 10%
089G414A15NLS1	POWER CORD	063G214J225GNH	CAP MPP 2.2uF 450V 5%	065G080510332K	CAP CHIP 0805 10N 50V X7R 10%
095T801412932F	AUO inverter cable JFE 46422	064G47J1531HEU	15n/100V PPN	065G080510422K	CAP CHIP 0805 100N 25V X7R 10
095T801414935F	AUO inverter cable JFE 46423	064G47J1531ATH	F/C PPN 0.015uF 100V 5% HJC	065G080510422K	CAP CHIP 0805 100N 25V X7R 10
098TRASW1BTPHR	REMOTE CONTROLLER	065G305K4712B3	SAFETY Y-CAP 470P	065G080510422K	CAP CHIP 0805 100N 25V X7R 10
705TPNK0B34003	BACK COVER ASSY	065G305M1522B3	SAFETY Y-CAP 470P	065G080510422K	CAP CHIP 0805 100N 25V X7R 10
P34T00981	BACK COVER	067G40A22115C	SAFETY Y-CAP IN5	065G080510422K	CAP CHIP 0805 100N 25V X7R 10
705TPNK0F34003	FRONT BEZEL ASSY	067G5151526C	CAPACITOR 220UF/450V	065G080510432K	CAP CHIP 0805 100N 50V X7R 10
P34T00961	BEZEL	067G5151526C	EC 1500uF 35V GF 13x35mm	065G08052232K	CAP CHIP 0805 2N2 50V X7R 10%
P33T005411P	LENS	067G5151526C	EC 1500uF 35V GF 13x35mm	065G08053332K	CER2 0805 X7R 50V 33N PM10 R
P33T00651	CONTROL BOTTON	067G5152224C	EC 2200UF 25V GF 13*35mm	065G080533427Z	CAP CHIP 0805 330N 25V Y5V -20%
705TPNK0M85001	MAIN SHIELD ASSY	071G55906	FERRITE BEAD	065G080547131J	CER1 0805 NP0 50V 470P PM5 R
750TVGTOX3A11N	LPL 42" PANEL LC420WX3-SLA1	071G55906	FERRITE BEAD	065G1206106A7Z	CER2 1206 Y5V 10V 10U P8020 R
P11T00091	SMALL PLASTIC HANDLE	071G55906	FERRITE BEAD	093G64901T	DIO SIG SM BAV103 (VISH) R
P15T00941	MAIN FRAME - L	073G174905HJ	FIL PFC 300UH 0R085 S5032 Y	093G64901T	DIO SIG SM BAV103 (VISH) R
P15T00951	MAIN FRAME - R	073G174905LS	FIL PFC 300UH 0R085 CP5001AL Y	093G64901T	DIO SIG SM BAV103 (VISH) R
P15T00961	BKT - TOP	073G253906T	IND FXD OL1028H S 10U PM10 Y	093G64901T	DIO SIG SM BAV103 (VISH) R
P15T00971	BKT-BOTTOM	073G253907T	IND FXD OL1028H S 15U PM10 Y	093G64901T	DIO SIG SM BAV103 (VISH) R
P15T00981	BKT-L	073T174915HJ	LINE FILTER 8mH 4.0A HJC-S6027	093G64901T	DIO SIG SM BAV103 (VISH) R
P15T00991	BKT - R	073T174915HJ	LINE FILTER 8mH 4.0A HJC-S6027	093G52S900T	DIO SIG SM BAV103 (PHSE) R
P33T003014F	POWER BUTTON	073T253908T	CHOCO COIL 8uH	093G52S900T	DIO SIG SM BAV103 (PHSE) R
P34T0071VU14F	RING-SCREW	080GL42T903HJ	TFM SMT LAYER S50360 Y	093G52S900T	DIO SIG SM BAV103 (PHSE) R
P37T00332	42TA1800 base assy	080TL42T907L	XFMR PT-005745-1	093G52S900T	DIO SIG SM BAV103 (PHSE) R
P41TN0038131A	USER'S MANUAL	095G801410923F	CBLE-390 10/200/10-020 AWG26	093G52S900T	DIO SIG SM BAV103 (PHSE) R
P44TN00131	CUSHION-BTM-B-L	242208610654	FUSE 5X20 HT 5A 250V IEC B	093G52S900T	DIO SIG SM BAV103 (PHSE) R
P44TN00132	CUSHION-BTM-B-R	084T554	FOSE 382-5A 250V SICKMANN	061G46904WT	VARISTOR 560V TVR07561JARSY
P44TN00311	CUSHION-TOP-L	057G66727	FET POW STW18NK80Z (ST00) L	061G60210352T	CFR 10KOHM +5% 1/6W
P44TN00312	CUSHION-TOP-R	057G667901	TRANSISTOR 26A 600V	061G60210452T	100KOHM 5% 1/6W
P44TN00321	CUSHION-BTM-A-L	093G5046024	GBU8J	061G60210952T	RST CRB CFR-12 A 1R PM5 A
P44TN00322	CUSHION-BTM-A-R	093G220900	DIODE STTH8L06FP	061G60222952T	2.2OHM +5% 1/6W
P44TN0038131A	CARTON - TOP	093G60901	MBRF10H100CT ITO-220AB	061G60222952T	2.2OHM +5% 1/6W
P44TN0038132A	CARTON - BOTTOM	093G60909	DIO REC STPS10H100CFP (ST00) L	061G60222952T	2.2OHM +5% 1/6W
P44TN0048131A	CABLE BOX	056T5387	DIO REC STPS40H100CW (ST00) L	061G60247152T	470OHM +5% 1/6W
PTPF6PA4	SIDE_AV PCB ASSY	057C419513	PFC CONTROLLER IC	061G60247252T	4.7K OHM 5% 1/6W
061G0603000	RST CHIPR 0 OHM +5% 1/10W	057G4419902T	BC847C	061G208M10852T	RST MOF 0R1 1% 1W
061G0603000	RST CHIPR 0 OHM +5% 1/10W	057G4419903T	TRA SIG SM BC847CLG (ONSE) R	061G208M18852T	RST MOF 0R18 5% 1W
061G0603000	RST CHIPR 0 OHM +5% 1/10W	057G4419909T	TRA SIG SM BC848CLG (ONSE) R	061G208M18852T	RST MOF 0R18 5% 1W
061G0603332	RST CHIPR 3.3 KOHM +5% 1/10W	057G420519T	TRA SIG SM BC857CG (ONSE) R	061G208M22852T	RESISTOR 0R22 1W PM5
061G0603332	RST CHIPR 3.3 KOHM +5% 1/10W	057G420902T	TRA SIG SM BC858CLG (ONSE) R	061G208M22852T	RESISTOR 0R22 1W PM5
061G0603473	RST CHIPR 47 KOHM +5% 1/10W	057G477900T	TRA SIG SM BC847C (KECO) R	062G1018KW	SURGE PROTECT GS41-201MA A
061G0603473	RST CHIPR 47 KOHM +5% 1/10W	057G761900T	BC857 SOT23	062G1018KW	SURGE PROTECT GS41-201MA A
061G0603473	RST CHIPR 47 KOHM +5% 1/10W	061G0805000	0 OHM 1/10W	062G1018KW	SURGE PROTECT GS41-201MA A
061G0603473	RST CHIPR 47 KOHM +5% 1/10W	061G0805000	0 OHM 1/10W	071G55901	FERRITE CORE 2.5*3*1 BF30TA-2
061G0603473	RST CHIPR 47 KOHM +5% 1/10W	061G0805101	RST CHIPR 100 OHM +5% 1/8W	071G55901	FERRITE CORE 2.5*3*1 BF30TA-2
061G0603750	RST CHIPR 75 OHM +5% 1/10W	061G0805102	CHIP 1KOHM 1/10W	071G55901	FERRITE CORE 2.5*3*1 BF30TA-2
061G0603750	RST CHIPR 75 OHM +5% 1/10W	061G0805102	CHIP 1KOHM 1/10W	071G55901	FERRITE CORE 2.5*3*1 BF30TA-2
061G0603750	RST CHIPR 75 OHM +5% 1/10W	061G0805102	CHIP 1KOHM 1/10W	071G55901	FERRITE CORE 2.5*3*1 BF30TA-2
061G0603750	RST CHIPR 75 OHM +5% 1/10W	061G0805103	10 KOHM 1/10W	071G55907	BEAD COIL
061L0603000	RST SM 0603 JUMP MAX 0R0 5 R	061G0805104	RST CHIP 100K 1/8W 5%	071G55907	BEAD COIL
061L0603000	RST SM 0603 JUMP MAX 0R0 5 R	061G0805105	1MOHM 1/10W	071G55907	BEAD COIL
061L0603000	RST SM 0603 JUMP MAX 0R0 5 R	061G0805105	1MOHM 1/10W	073T5447010T	PEAKING COIL 47uH+10%
061L0603332	CHIP 3.3K OHM 1/10W	061G08051201F	RST CHIP 1K2 /8W 1%	093G3990052T	TRANSIENT SUPPRESSOR 120V 5W
061L0603332	CHIP 3.3K OHM 1/10W	061G0805123	RST CHIPR 12 KOHM +5% 1/8W	093G3990052T	TRANSIENT SUPPRESSOR 120V 5W
061L0603473	RST SM 0603 RC0603 47K P	061G0805152	RST CHIPR 1.5 KOHM +5% 1/8W	093G3990452T	DIO REG BZX79-B18 A (PHSE) A
061L0603473	RST SM 0603 RC0603 47K P	061G0805154	RST CHIPR 150KOHM +5% 1/8W	093G3990552T	DIO REG BZX79-C12 A (PHSE) A
061L0603473	RST SM 0603 RC0603 47K P	061G08051802F	RST CHIPR 18 KOHM +1% 1/8W	093G3990552T	DIO REG BZX79-C5V1 A (PHSE) A
061L0603473	RST SM 0603 RC0603 47K P	061G0805220	228& 1/10W	093G3990852T	DIO REG BZX55-B18 A (VISH) A
061L06037509F	75OHM 1% 1/10W	061G08052201F	RST CHIPR 2.2KOHM +1% 1/8W	093G3991052T	DIO REG BZX55-C12 A (VISH) A
061L06037509F	75OHM 1% 1/10W	061G0805223	RST CHIPR 22 KOHM +5% 1/8W	093G3991052T	DIO REG BZX55-C12 A (VISH) A
065G060368232K	CAP CHIP 0603 6N8 50V X7R 10%	061G0805223	RST CHIPR 22 KOHM +5% 1/8W	093G3991252T	DIO REG BZX55-C5V1 A (VISH) A
065G060368232K	CAP CHIP 0603 6N8 50V X7R 10%	061G0805330	RST CHIPR 33 OHM +5% 1/8W	093G3991852T	DIODE BZV85-C9V1 DO-41
065G060368232K	CAP CHIP 0603 6N8 50V X7R 10%	061G08053303F	RST CHIP 330K 1/8W 1%	093G3991952T	DIODE P6KE120A DO-15
065T060368232	CHIP 0.0068UF 50V X7R 0603	061G08053303F	RST CHIP 330K 1/8W 1%	093G60905	DIO REC BYT42D A (VISH) A
065T060382131	820PF 50V +5% NPO	061G0805331	RST CHIP 330K 1/8W 1%	093G60905	DIO REC BYT42D A (VISH) A
071G56K121TA	CHIP BEAD 120R/6000mA HCB2012KF-	061G0805331	RST CHIPR 330 OHM +5% 1/8W	093G645152T	DIO REC BYT42D A (VISH) A
071G56K121TA	CHIP BEAD	061G0805332	RST CHIPR 3.3 KOHM +5% 1/8W	093G645152T	DIO REC BYT42D A (VISH) A
071T56K121M	CHIP BEAD	061G0805333	RST CHIPR 33 KOHM +5% 1/8W	093G645152T	DIO REC BYT42D A (VISH) A
071T56K121M	CHIP BEAD	061G0805334	RST CHIPR 330 KOHM +5% 1/8W	093G6490352T	DIO REC RGP10D A (GULF) A
ADPC24300A1P	POWER PCB ASSY	061G0805471	470&8 1/10W	093G6490352T	DIO REC RGP10D A (GULF) A
063G107K105HM	CAP X2 1U 275V MKP	061G0805471	470&8 1/10W	093G6490352T	DIO REC RGP10D A (GULF) A
063G107K684VM	CAP X2 0.68U 275V	061G0805473	RST CHIPR 47 KOHM +5% 1/8W	093G110090052T	DIODE UF1007 1A 1000V DO-41
033G38032FP	CON V 2P M 2.50 63171 B	061G08055601F	RST CHIPR 5.6 KOHM +1% 1/8W	093G110090252T	DIO REC STTH110 (ST00) A
033G380310FP	CON BM V 10P M 2.5 61249	061G0805564	RST CHIPR 560 KOHM +5% 1/8W	093G202050052T	DIODE
033G380312FP	CON V 12P M 2.50 64842 B	061G08056200F	RST CHIP 620R 1/8W 1%	093G202090052T	DIO REC SBYV27-200-E3 (VISH) A
033G380312FP	CON V 12P M 2.50 64842 B	061G12061004F	RST CHIPR 1 MOHM +1% 1/4W	056G158901	IC TL431ACZ S (ST00) A
056G1395A	TCET1103G	061G12061004F	RST CHIPR 1 MOHM +1% 1/4W	057A493501	TRA SIG BF422 (TOSJ) A
056G1395A	TCET1103G	061G1206109	RST SM 1206 RC01 1R PM5 R	057C49310T	BD422
056T625500S	IC TEA1507P/N1 (PHSE) L	061G1206154	RST CHIP 150K 1/4W 5%		
061G46902	VDR DC 1MA/510 845V R	061G1206154	RST CHIP 150K 1/4W 5%		
063G107K684HM	CAP X2 0.68U 275V MKP	061G1206333	RST CHIPR 33 KOHM +5% 1/4W		
063G214J225GMC	63G214J225GMC	065G080510332K	CAP CHIP 0805 10N 50V X7R 10%		
063G214J225GMC	63G214J225GMC				

11. Different Parts List

057G419901T	TRA SIG TBC548C (TOSJ) A	056T593901	IC MSP3410G-QI-B8V3PMQFP64 MICRO	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G419905T	TRA SIG BC547C (KECO) A	056T6141	IC 74HC4052D PHILIPS	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G419906T	TRA SIG BC548C (KECO) A	056T615907	IC HY5DU283222BFP-33 FBGA-144	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G419907T	TRA SIG BC547C (PHSE) A	056T616900	IC TPA3008D2PHP PQFP-48	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G419908T	TRA SIG BC548C (PHSE) A	056T643600	AP1701FWL	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G420900T	TRA SIG TBC328-40 (TOSJ) A	056T643904	IC SM AME1117BCGTZ (ST00) R	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G420903T	TRA SIG BC327-40 (KECO) A	056T6623	CM2021-00TR TSSOP-38	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G420904T	TRA SIG BC327-40 (PHSE) A	056T662900	IC IP4776CZ38	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G420905T	TRA SIG BC328-40 (PHSE) A	056T665904	IC PCA9512ADP TSSOP-8	061G0603000	RST CHIPR 0 OHM +5% 1/10W
057G493900T	TRA SIG BF422 (KECO) A	056T665906	IC 74LV4053PW TSSOP16	061G0603100	RST CHIPR 10 OHM +5% 1/10W
061G58905WT	NTC 0R75 15% SCK100R75MSY001 BY	056T1125182	IC M30300SAGP RENESAS	061G0603100	RST CHIPR 10 OHM +5% 1/10W
064G47G1031ATH	CAP PP PPN 100V S 10N PM2 A	056T1133907	IC AT24C02BN-10SU-1.8 SO8	061G0603100	RST CHIPR 10 OHM +5% 1/10W
064G47J1231ATH	CAP PP PPN 100V S 12N PM5 A	057C419513	IC AT24C02BN-10SU-1.8 SO8	061G0603100	RST CHIPR 10 OHM +5% 1/10W
065G1K1529AT	C CAP. 1500PF 1KV	057C419513	BC847C	061G0603100	RST CHIPR 10 OHM +5% 1/10W
065G1K1529AT	C CAP. 1500PF 1KV	057C419513	BC847C	061G0603101	RST CHIPR 100 OHM +5% 1/10W
065G517K1522AT	CER2 DC B 500V S 1N5 PM10 A	057C419513	BC847C	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G602297CT	EC 2.2uF 50V NP 5x11 85Ia	057G477900T	TRA SIG SM BC847C (KECO) R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G3051014T	100UF +20% 25V	057G477900T	TRA SIG SM BC847C (KECO) R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G3051014T	100UF +20% 25V	057G477900T	TRA SIG SM BC847C (KECO) R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G3051014T	100UF +20% 25V	057G7581	2N7002ESOT23 SILICONIX	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G3054706CT	EC CAP 47UF M 35V	057G7601PH	TRA SIG SM MUN2211J(ONSE)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G3056897CT	EC CAP 6.8UF M 50V	057G7601PH	TRA SIG SM MUN2211J(ONSE)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
CBPF6T2DS5	SCALER PCB ASSY	057G7601PH	TRA SIG SM MUN2211J(ONSE)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G3051024P	1000UF 20% 25V 105C	057G7601PH	TRA SIG SM MUN2211J(ONSE)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215H1024C	EC 1000uF 25V LZ 10x20mm	057G7601PH	TRA SIG SM MUN2211J(ONSE)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215H4713C	EC 470uF 16V LZ 8x12mm	057G7602PH	TRA PDTCT14EK SC-59 PHILIPS	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215H4713K	EC 470uF 16V LZ 8x12mm	057G7602PH	TRA PDTCT14EK SC-59 PHILIPS	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215P2216CT	EC 220UF/35V KF 8*16mm	057G7602PH	TRA PDTCT14EK SC-59 PHILIPS	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215P2216CT	EC 220UF/35V KF 8*16mm	057G7602PH	TRA PDTCT14EK SC-59 PHILIPS	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215P2216CT	EC 220UF/35V KF 8*16mm	057G7602PH	TRA PDTCT14EK SC-59 PHILIPS	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215R4714C	EC 470uF 25V LZ 10x12.5mm	057G761900T	BC857 SOT23	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215R4714C	EC 470uF 25V LZ 10x12.5mm	057G7631PH	FET POW SM SI5441DC(VISH)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215R4714C	EC 470uF 25V LZ 10x12.5mm	057G7631PH	FET POW SM SI5441DC(VISH)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215R4714K	EC 470uF 25V EB 10x13mm	057G7631PH	FET POW SM SI5441DC(VISH)R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215R4714K	EC 470uF 25V EB 10x13mm	057G763904	TRA FET 2N7002 SOT-23 PHILIPS	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215R4714K	EC 470uF 25V EB 10x13mm	057T7581	FET 2N7002E VISHAY	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G215Y1024E	EC LOW ESR 1000UF/25V 10*20mm	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G305S4712	EC 470uF 10V KW 8x9mm	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
067G305V1023	EC CAP 1000UF M 16V	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253128LS	CHOKO COIL 33UH	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253128LS	CHOKO COIL 33UH	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253128LS	CHOKO COIL 33UH	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253128LS	CHOKO COIL 33UH	061G1250008	RST CHIP AR 8P4R 0 OHM +5% 1/16	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253900HJ	CHOKO COIL	061G1251018	RST CHIP AR 8P4R 100 OHM +5% 1/	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253900HJ	CHOKO COIL	061G1251018	RST CHIP AR 8P4R 100 OHM +5% 1/	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253900HJ	CHOKO COIL	061G1251018	RST CHIP AR 8P4R 100 OHM +5% 1/	061G0603101	RST CHIPR 100 OHM +5% 1/10W
073G253900HJ	CHOKO COIL	061G1251018	RST CHIP AR 8P4R 100 OHM +5% 1/	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088G35315FH	D-SUB 15PIN	061G1251018	RST CHIP AR 8P4R 100 OHM +5% 1/	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T7813900TN	RCA JACK 2*2 W/R 5105-855-09	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T7813903TN	RCA JACK 2*2 W/B: 5105-855-20	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T7813904TN	RCA JACK 2*1 W/R 5105-825-072-65	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T7813916TN	RCA JACK S JACK Y/B 5105-825-1	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T7813917TN	RCA JACK 2*3 R/B/G?	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T301900TN	PUSH TERMINAL CONNECTOR 2*2 R/R	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
088T302900TN	PHONE JACK 3.5mm 3P 5102-A4R-032	061G1251508	RST CHIP ARRAY 15R 1/16W 5% 8P4R	061G0603101	RST CHIPR 100 OHM +5% 1/10W
093G2268BJ	18.432MHZ	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
093T2279B	CRYSTAL 28.322MHZ 49U/S	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
093T2281B	10.000MHZ/30PF/49US	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
094TPALBDH1P	TUNER, FQ1256/ I H-5	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
056T1133711	S29AL008D70TF1010	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
705TZKN056003	FLASH ASSY	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
056T1133913	IC SM SST39V088 TSOP-48	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
Z40TN0008133A	LABEL-Flash	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
Z40TN0008133AS	HEX CODE OF F/W	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603101	RST CHIPR 100 OHM +5% 1/10W
705TZKN056004	EEPROM ASSY	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056T1133916	IC M24C64WMN6TP SO8	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056T113378	24LC64 ISNG SOIC(150MIL)	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
Z40TN0008134A	LABEL-EEPROM	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
Z40TN0008134AD	HEX CODE OF F/W	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056G1334PH.@	0LD1117S33 SOT-223	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056G158805	IC L5972D013TR S08	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056G158805	IC L5972D013TR S08	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056G158805	IC L5972D013TR S08	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603102	RST CHIPR 100 OHM +5% 1/10W
056G563918	IC LD1117AS18TR SOT223	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G563920	IC AME1117BCGTZ SOT223	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G563921	IC AME1117CCGTZ SOT223	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G563925	IC AME1084ECDTZ(TO-263)	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G5854A	AP1117E33LA	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G5855A	AP1117E25A	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G613900	IC TDA1308T/N2 SO8	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G615804	K4D26328G-VC36 FBGA144	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G113334	M24C02-WMN6TP	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G113334	M24C02-WMN6TP	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056G4LCX14PH	74LVC14APM	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056T562900	IC SVP-PX66 BGA336	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W
056T567900	IC CS4344-CZZ TSSOP-1	061G0603000	RST CHIPR 0 OHM +5% 1/10W	061G0603103	RST CHIPR 10 KOHM +5% 1/10W

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11. Different Parts List

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11. Different Parts List

071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G57C101	CHIP BEAD HCB3216K-101T30
071G59C300	CHIP BEAD
071G59C300	CHIP BEAD
071G59C300	CHIP BEAD
071G59C300TA	CHIP BEAD 30R/600mA FCM1608CF-30
071G59C300TA	CHIP BEAD 30R/600mA FCM1608CF-30
071G59C300TA	CHIP BEAD 30R/600mA FCM1608CF-30
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
071T56G151B	BEAD 0805 150 OHM
073G63229	2.2UH
073G63229	2.2UH
073G63229TA	CHIP INDUCROR 2.2uH 10% FCI1608F
073G63229TA	CHIP INDUCROR 2.2uH 10% FCI1608F
073T6322910K	CHIP INDUCTOR 2.2UH 10% FLN
073T6322910K	CHIP INDUCTOR 2.2UH 10% FLN
093G6433	DIO SIG SM BAV99 (PHSE)R
093G6432V	LL4148-GSO8
093G6432V	LL4148-GSO8
093G6432V	LL4148-GSO8
093G6432V	LL4148-GSO8
093G6432V	LL4148-GSO8
093G60S801	DIODE SSA34 VISHAY
093G60S801	DIODE SSA34 VISHAY
093G60S801	DIODE SSA34 VISHAY
093G64S3PH	BAS32L
093G64S3PH	BAS32L
093G64S3PH	BAS32L
093G64S3PH	BAS32L
093G64S3PH	BAS32L
093T39S72T	BZT52CV51 7 F
IRPF6PA4	IR PCB ASSY
077G6051FD	SWI TACT H=5 GY 160G SKHHAM B
077G6051FD	SWI TACT H=5 GY 160G SKHHAM B
705TPLK081003	U001 ASSY
056G627801	IC TSOP34136SB1
P11T00011	HOLDER IR
705TPLK081007	D001 ASSY
081G128KB	LED VS L-3WSYKPBW
P11T00021	HOLDER LED
057G420519T	TRA SIG SM BC857CG (ONSE) R
057G420519T	TRA SIG SM BC857CG (ONSE) R
057G761900T	BC857 SOT23
057G761900T	BC857 SOT23
061G0603221	RST CHIPR 220 OHM +5% 1/10W
061G0603221	RST CHIPR 220 OHM +5% 1/10W
061L0603221	CHIPR 220 OHM+5% 1/16W
061L0603221	CHIPR 220 OHM+5% 1/16W
065G060310412K	CAP CHIP 0603 100N 16V X7R 10
065G060310412K	CAP CHIP 0603 100N 16V X7R 10
065T060310412G	CHIP 0.1UF 16V X7R
065T060310412G	CHIP 0.1UF 16V X7R
061G17210152T	100 OHM 5% 1/4W
061G60247252T	4.7K OHM 5% 1/6W
061T17210152T	100 OHM 5% 1/4W
061T60247252T	4.7K OHM 5% 1/6W
061G60247252T	4.7K OHM 5% 1/6W
061T60247252T	4.7K OHM 5% 1/6W
KEPFP6A3	CONTROL PCB ASSY
061G0603102	RST CHIP 1K 1/10W 5%
061G0603183	RST CHIPR 18 KOHM +5% 1/10W
061G06033601F	RST CHIPR 3.6 KOHM +1% 1/10W
061G0603473	RST CHIPR 47 KOHM +5% 1/10W

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1. Manual 3138 106 50050

-First release

-All chapters

2.According to the CP CL60012 and CL60013 . Change the spare parts as the following:

The detail for 42TA1800 is as the following:

Series Nr.	Code Number To Be Changed	Change Type (Add/Del/Was/Is)	Component Code	Description
1	*P37T0033**1 Base assy	ADD	P15T0114 1	Wall mount kit
2	095T 900931	Was "095T 900931" Is "095T 900931 FP"		WIRE HARDNESS
3	P02T00001	WAS "P02T00001" IS "P 2T00001"		NUT-AUDION JACK

The detail for 37TA1800 is as the following:

Series Nr.	Code Number To Be Changed	Change Type (Add/Del/Was/Is)	Component Code	Description
1	*P37T0030**1 Base assy	ADD	P15T0114 1	Wall mount kit

3.According to the CP-SZ00080. Change the spare parts as the following:

Series Nr.	Code Number To Be Changed	Change Type (Add/Del/Was/Is)	Item	Component Code	Description
1	37TA1800/93 37TA2000/93	Del	100	313815138131	BKT-RC
2	37TA1800/93 37TA2000/93 (E376ATNDA2PHNS)	Was	40	313815761291	BACK COVER ASSY
		Is	40	313815761292	BACK COVER ASSY
3	313815761292	Add	43	313815418411	VESA Rubber

4.According to the CP-CL60037,37TA1800 model change the Version from V202 to V203,42TA1800 model change the Version from V201 to V202,detail as following:

Code number	Description	Model
*P40TL000813*8A	LABEL-Flash	37TA1800/93
*P40TL000813*9A	LABEL-EEPROM	37TA1800/93
*P40TN00081312A	LABEL-Flash	42TA1800/93
*P40TN00081313A	LABEL-EEPROM	42TA1800/93

Code number	Action	Component Code	Description
*705TZLK0*56001	Was	PHANTOMHEX00000093	HEX CODE- Flash
	Is	PHANTOMHEX00000094	HEX CODE- Flash
	Was	*P40TL000813*8A	LABEL-Flash
	Is	*P40TL000813*8B	LABEL-Flash
*705TZLK0*56002	Was	PHANTOMBIN00000013	HEX CODE
	Is	PHANTOMBIN00000014	HEX CODE
	Was	*P40TL000813*9A	LABEL-EEPROM
	Is	*P40TL000813*9B	LABEL-EEPROM
*705TPNK0*56006	Was	PHANTOMHEX00000102	HEX CODE OF F/W(NO MATL REQ)Flash
	Is	PHANTOMHEX00000103	HEX CODE OF F/W(NO MATL REQ)Flash
	Was	*P40TN00081312A	LABEL-Flash
	Is	*P40TN00081312B	LABEL-Flash
*705TPNK0*56005	Was	PHANTOMBIN00000022	HEX CODE OF F/W(NO MATL REQ
	Is	PHANTOMBIN00000023	HEX CODE OF F/W(NO MATL REQ
	Was	*P40TN00081313A	LABEL-EEPROM
	Is	*P40TN00081313B	LABEL-EEPROM